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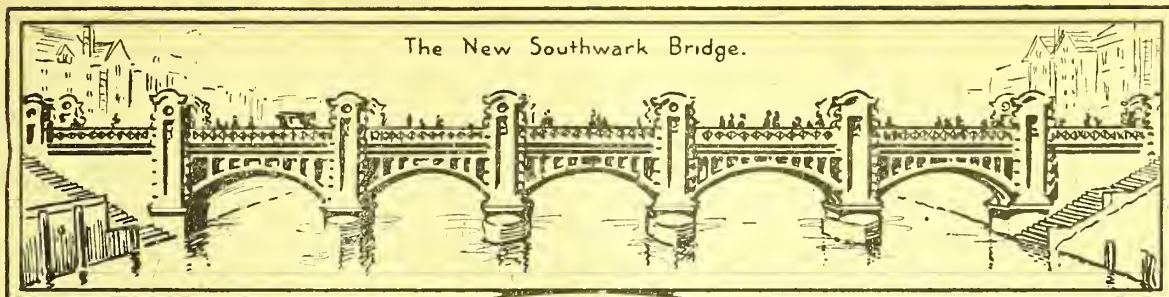
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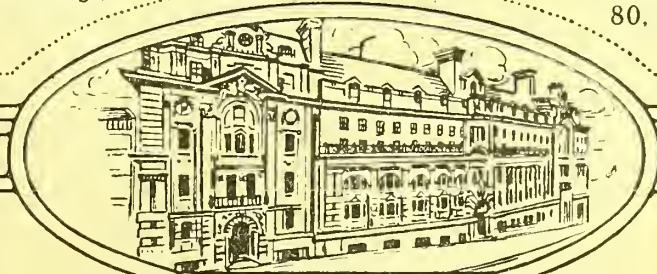
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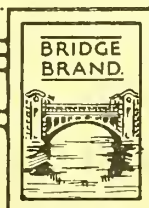
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THAMES HOUSE.







*Photograph of our Stand at the British Industries Fair, Glasgow.*

Pharmacists in Glasgow were keenly interested in those sections of the recent British Industries Fair which were devoted to products handled by them ; and we may be excused for recording with pride that our own Stand was one of the principal centres of attraction. Mr. Neville Chamberlain, accompanied by the Provost of Glasgow, paid us a visit, and manifested an intimate knowledge and appreciation of our products.

The great success of the Exhibition augurs well for the future of British trade after the War. Manufacturers are already taking a broader view of the scope and possibilities of their business ; with the result that British brains and British energy and enterprise will again become supreme, in spite of all obstacles. In our opinion, one of the greatest benefits of such exhibitions is that they bring the manufacturer and the retailer into closer contact than would be otherwise possible.



# Too Many Urgent Orders

## *An Appeal to Retail Pharmacists to Anticipate their Orders for SANATOGEN & FORMAMINT*

When a customer wants a popular article—and wants it in a hurry—you never like having to say: “Sorry, I am out of stock, but I’ll get it for you to-day.”

Human nature being what it is, the customer, more often than not, is unreasonably disappointed and annoyed, and says: “Oh, never mind, I daresay I can get it somewhere else.”

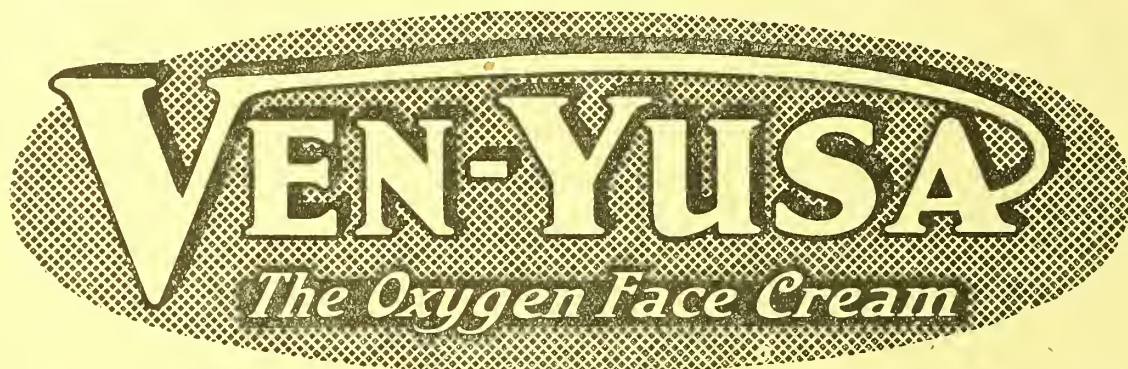
That this happens too frequently in the case of Sanatogen and Formamint is evident from the numerous letters which we constantly receive from customers who ask us to send them Sanatogen, etc., direct because their chemist is out of stock, and also from the very large number of urgent orders sent to us by telegram from the retail trade.

Such orders throw a heavy strain on our Dispatch Department, the staff of which, as in all departments, is reduced to the barest minimum. We therefore hope that, since the demand for genuine Sanatogen and Formamint is now firmly re-established, our friends in the trade will be better able to estimate beforehand the amount of stock which they are likely to require, and will thus assist us by anticipating their orders to a reasonable extent.

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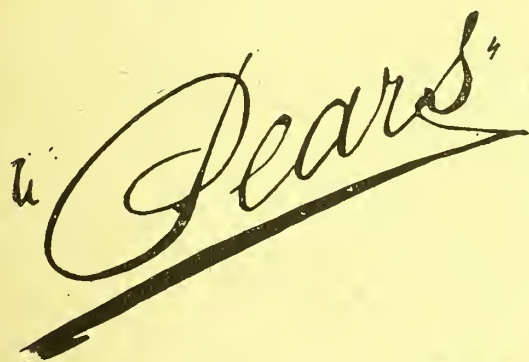


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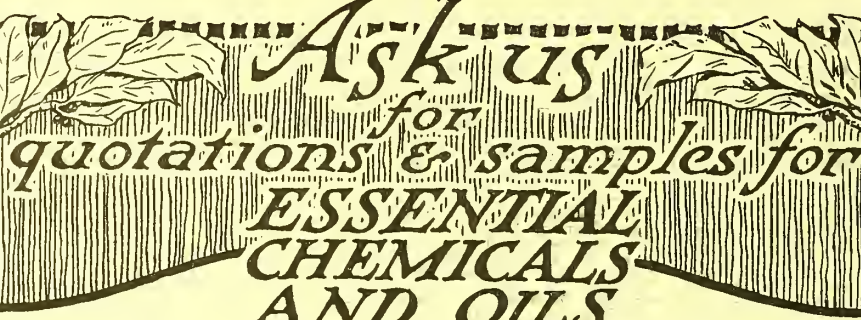
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PERFECT INHALER FOR  
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ALL-BRITISH FIRM. ESTABLISHED 1878.

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LONDON,  
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1/- size	....	....	....	9/7 per dozen.
2/- "	....	....	....	19/2 "
5/- "	....	....	....	48/- "
10/- "	....	....	....	96/- "

The retail price of the Food will be Protected at Face Value.

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March 9, 1917.

**THE MOST ECONOMICAL INFANTS' FOOD.**

TRADE MARK



**ON P.A.T.A. LIST.      SHOWCARDS FREE.**

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(CITRATED).

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QUICK SALES. GOOD PROFITS. SATISFIED CUSTOMERS.

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ON THE P.A.T.A. LIST.      Wholesale terms on application.

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## MILK POWDER. CASEIN.

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No. 4 (13 oz.)	" 6/- " 42/- "

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Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

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To retail in 1/- Cartons containing 4 Cubes.

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## "Prana" Sparklets.

### NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

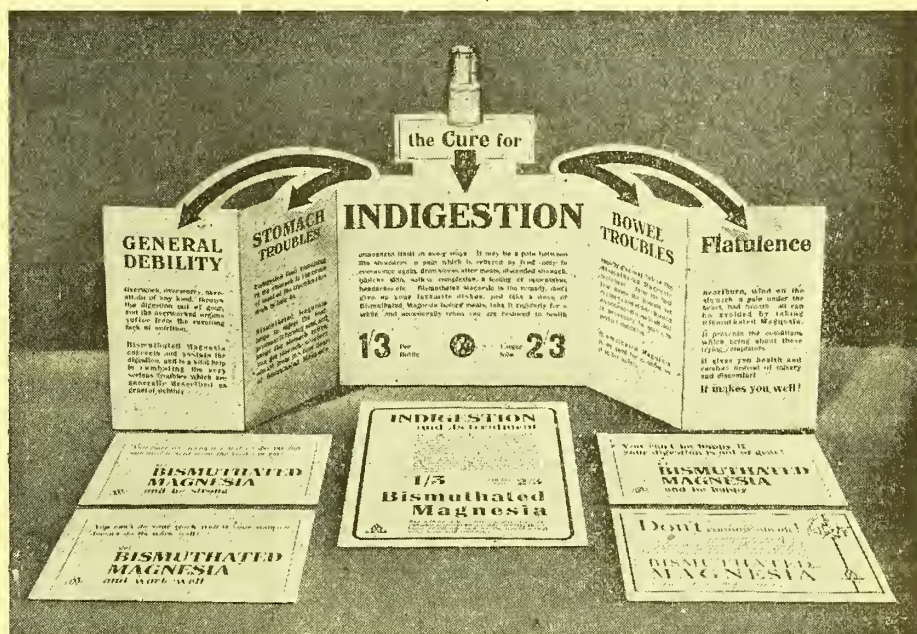
**AERATORS LTD.,**

"Prana" Sparklet Works,  
Upper Edmonton, N.



If you  
have not  
hitherto  
stocked  
the  
**ORIGINAL**  
**MAKE**  
we'll  
gladly  
post  
you  
a  
sample  
**FREE**  
**OF**  
**CHARGE**

# Only a limited number of shows available.



The prices of the original Bismuthated Magnesia  
**1/3 size, 8/6 per doz.**      **2/3 size, 15/- per doz.**

**With orders for 6 doz. we supply  
the above display free of charge.**

With orders for 12 dozen we supply the above display  
plus a window poster to measure.



From one cause or another the ranks of the dyspeptics receive continual recruits, and this display has been specially designed to put the merits of Bismuthated Magnesia before them.

**Cover all reasonable immediate requirements now.**

**AYRTON, SAUNDERS & Co. LTD.**  
**Wholesale Druggists**      **LIVERPOOL**



# BISHOP'S PIPERAZINE CITRATE

**A REMEDY OF ESTABLISHED AND DEFINITE VALUE**

**IN GOUT, LUMBAGO, SCIATICA, NEURITIS, GRAVEL, STONE,  
AND ALL MANIFESTATIONS OF THE URIC ACID DIATHESIS.**

Prescribed by the British Medical Profession for nearly 20 years.

The undoubted superiority of Bishop's Piperazine Citrate, and preparations containing it, is due to the stability of the salt, Piperazine Citrate, which, being non-volatile and non-hygroscopic, undergoes no change upon exposure to heat or moisture, and thus lends itself to all manufacturing and dispensing processes.

Piperazine base, on the contrary, is so volatile and hygroscopic that it cannot be manufactured or dispensed with any degree of accuracy. Hence the unreliability of all Piperazine preparations that are not made with Bishop's Piperazine Citrate.

**PIPERAZINE CITRATE  
IS MADE ONLY BY  
ALFRED BISHOP, LTD.**

Bishop's Piperazine Citrate is the most powerful uric acid solvent known. It neutralises twelve times as much uric acid as any other alkaline solvent, and the resulting Piperazine urate is eight times as soluble as any other urate.

Bishop's Piperazine Citrate is non-irritant and non-toxic. It does not derange the digestive functions and is easily borne by even sensitive stomachs.

Bishop's Piperazine Citrate is supplied in crystalline powder for dispensing, and also in the Granular Effervescent form and Varalettes. The value and reliability of these preparations have been established by abundant clinical experience.

**WE CAN, HOWEVER, SUPPLY PIPERAZINE BASE IN LARGE OR SMALL  
QUANTITIES, FOR MANUFACTURERS WHOSE PROCESSES CALL FOR IT.**

*Prices and Particulars on application to—*

**ALFRED BISHOP, LTD.**

**MANUFACTURING  
CHEMISTS,**

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There is no better  
Flask made than the

**"ALL  
BRITISH"  
VACUUM  
FLASK,**

of which not only the protective  
outer casing but the essential  
glass vacuum bottle are

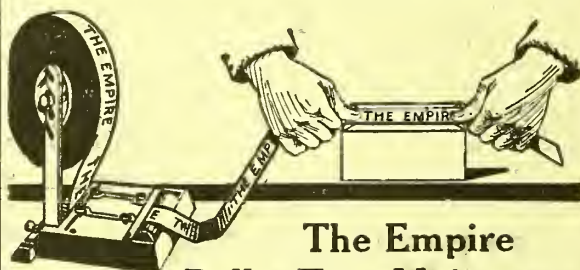
**MADE IN ENGLAND.**

SOLE MAKERS—

**AERATORS LIMITED**

*"Prana" Sparklet Works,*

**UPPER EDMONTON, LONDON, N.**



**The Empire  
Roller Tape Moistener**

**D**OES away with the necessity of using string or sealing wax. It seals parcels in one-third the time taken by the use of string—and the parcel remains secure and always looks neat.

An additional advantage of Gummed Tape is the fact that your name or trade mark can be printed at frequent intervals throughout the entire length of the coil of tape, thus every parcel you seal carries your advertisement.

Chemists who are using the Empire Roller Tape Moistener write us saying how valuable it is proving. One Chemist says he "would not be without the machine if it cost treble the money."

*Write to-day for fuller particulars.*

**JOHN GOSHERON & CO.**

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TELEPHONE,  
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TELEGRAMS  
ELEVEN  
CENT  
LONDON

# Maw's

S. MAWSON & SONS  
(C.P.O. BOX No 54)  
7-12 ALDERSGATE ST.  
LONDON E.C.



# Page

NUMBER 283

MAR. 17, 1917

CABLES  
ELEVEN  
LONDON

CODE  
A.B.C.  
4th & 5th  
EDITION

## The BRIGHT SIDE OF THINGS

"I invariably look up first 'Maw's Page,' then . . . feel better equipped for 'the struggle' than before."—A recent correspondent to the "C. & D."

A good line is Maw's "Magnum" Menthol Cone. Liberal size. 7/- dozen. 76/- gross, net.

Another new "Effective" Vacuum Flask! Fitted with locking bayonet catch, and supplied covered in either black or brown washable "Rexine." 4/6 each. One dozen lots 45/- net.

## Rubber Tubing FOR FEEDING BOTTLES

We should like to send you a sample feeding bottle length of this stout, transparent cut-sheet tubing. Impossible to obtain better quality. Possible to obtain any quantity. Guaranteed for 12 months' stock. Ask our travellers to show you, or, better still, write for free sample. Remarkable value!

14/- PER POUND.

2 lb. BOXES 12/8 lb. NET.

7 lb. LOTS 12/- lb. NET.

**SAMPLE  
FREE**  
(FEEDING BOTTLE LENGTH)

## The Future

"Let me see; what year was it in which peace was declared. Nineteen-seventeen or nineteen-eighteen?"

It is difficult, at the moment, when current events burn themselves into our memory, to imagine a time when men and women will query the date which saw the termination of the present world-catastrophe. Ask the next person you meet the year of the end of the Boer War. If the date trips glibly off his tongue you will have encountered an exceptional memory for chronology.

We are too apt to simulate the action of the kitten and the ball of worsted. We entangle ourselves in our own troubles; we find a mesh of melancholy obscuring any tendency to look ahead to the age when times will be more normal, when the Country will return to its sober work and play.



Too often is the War made an excuse for inaction in business: "Short-handed . . . over-worked . . . impossible . . ."

And perhaps there are drastic improvements needing attention in your business. You are contemplating the inauguration of a new system, the installation of new fixtures—when the war is over.

Inertia is the paralysis of the Pharmacy. With the pendulum of the Allies swinging towards victory; when old customs and habits are being swept away like chaff before a hurricane: Why wait?

That question is answered by the House of Maw. Side by side with the exigencies of War we are forming our plans for the coming of Peace.

The Pharmacy that is most prepared will reap the benefit of our foresight. Look upon the present millstone as a milestone. The road is clear.

*Capsule*

"MAW QUALITY" WAR LINES. No. 1.



THE FAVOURITE  
FOOT POWDER  
2/- DOZEN.  
SHOW CARD



## NEW PRICE LIST.

### *Proprietary Articles, etc.*

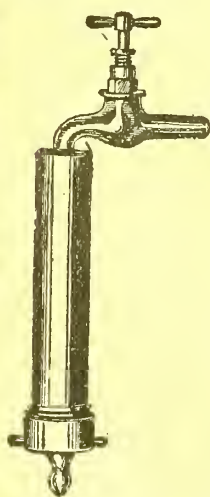
If not already received, one will be sent to you upon application, by

**W. EDWARDS & SON,**  
**157 Queen Victoria Street, London, E.C. 4.**

Telephone:  
 Central 5698, & Bank 285.

Telegraphic Address:  
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### The Pasteur Chamberland Filter.

#### OFFICIAL GOVERNMENT STATEMENT:

Wherever the PASTEUR  
 FILTER has been applied,  
 TYPHOID FEVER has  
 disappeared.

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SOLE MAKERS:

**The British Pasteur Chamberland Filter Co.**  
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—Yes! Rigollot's Mustard Leaves  
 for Plasters. The original and only  
 genuine.

OF ALL CHEMISTS AND STORES IN  
 6d. & 1/- Packets and 1/6 Tins.

**67 Southwark Bridge, London, S.E.**

## SUGAR OF MILK



MADE IN HOLLAND

**THE BEST IN THE WORLD.**

Always of the purest standard and corresponding  
 with the requirements of any Pharmacopœia.

**N. V. Hollandsche Melksuikerfabriek, Amsterdam.**

## A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

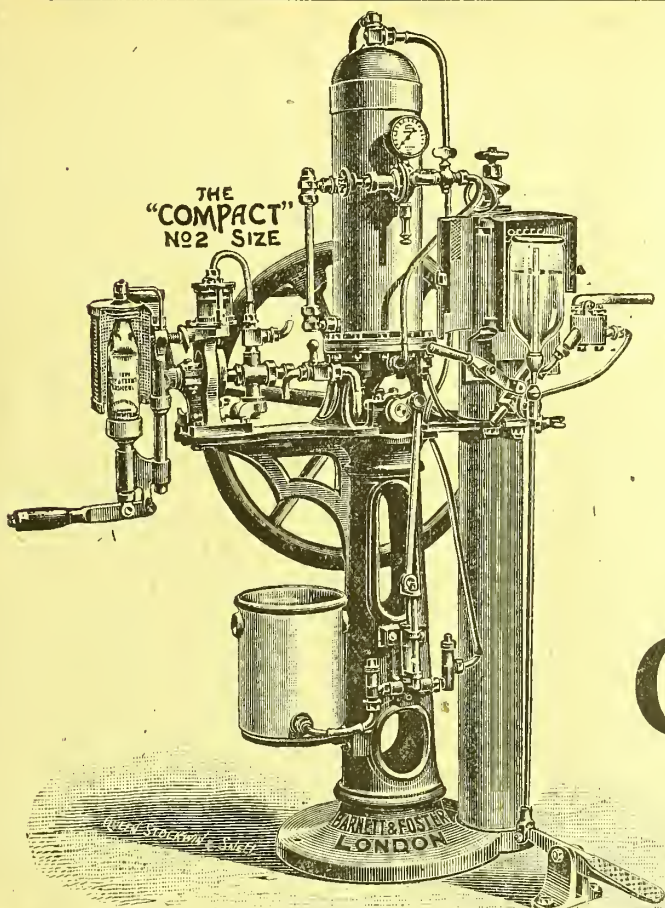
(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.  
 London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

(Wholesale only.)



THE  
"COMPACT"  
No 2 SIZE



We supply every machine, article and appliance needed for the manufacture of aerated waters. Our lists, including the "Red Club" monthly price list of Soluble and Fruit Essences, Essential Oils, Mineral Water Salts, Colourings, Chemicals and Drugs, posted free anywhere.

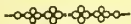
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"Compact" Soda-water Machines have been specially designed for the use of chemists.

"Compacts" supply just as little, or just as much bright, sparkling aerated water bottled in syphons, patents or other bottles, as your trade calls for, and as the machine always stands ready for immediate use, the goods, when sold, can have the advantage of being freshly carbonated.

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"Compacts" render you quite independent of outside suppliers; increase your profits and enable you to offer waters of a uniform, dependable, quality.



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THE ORIGINAL AND BEST.

CAN BE SUPPLIED FROM STOCK WITHOUT DELAY.

Size O withdrawn for the present.

	Sizes	1	2	3	4	x	5	xx	Blue.	
Retail	...	1/-	1/6	2/-	2/-	2/9	3/-	3/-	3/-	per pkt. of 1 doz.
Wholesale	...	10/-	15/-	20/-	20/-	28/-	30/-	30/-	30/-	per gross.

The above are the original prices. No increases have been asked as yet, and no alterations made in size or quality.

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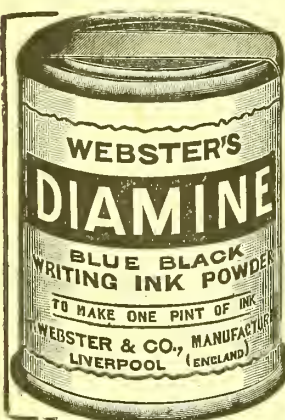
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Retail	...	1/6	2/-	2/6	3/-
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As supplied to Govt. Dpts. and the principal Railway Cos. Saves 98% Freight. Suitable for any Climate.

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FOR the administration of Oxygen in a concentrated and highly nascent condition. Specially valuable in cardiac cases, with high arterial tension, in nervous and vaso-motor disturbances, insomnia, and auto-intoxication.

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**THE CATALINE CO.,**  
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## DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.  
3 and 4 ounce. 6 and 8 ounce.  
12 ounce.

WHITE PHIALS, plain or teaspoons.  
1/2 ounce. 1 1/2 ounce.  
1 " 2 "

Lowest  
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Prices  
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BLUE LOTION BOTTLES, all sizes.  
CORKS. Superior quality. No advance in price.

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Orders sent to either establishment have attention.

Established 100 years.

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# SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

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And of ST. JOHN'S, N.F.

Established 1780.

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**I**NVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
'LOSALL'S SALT (well advertised), tins		7½d.	5/-
" " " " " "		1/2	10/-
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**"Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line."**

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

## TINFOIL PURE TIN (Free from Lead).

All Thicknesses, Sizes, Shapes, and Designs  
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**DRUGS, CHEMICALS,  
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BOTTLING FOILS.  
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**TOILET SOAPS FOILS,  
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**SPECIALITIES.**—Gums Arabic and Tragacanth as imported or finely powdered.**SHADEINE**FOR COLOURING GREY HAIR  
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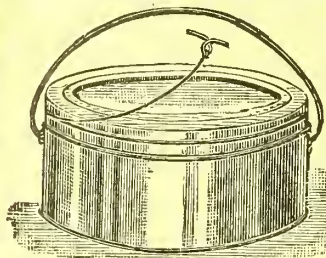
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1/- ALUMINIUM HOLDER, 7/6 doz. and bonus 2.

Sample of each for stamps 1/3.

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2 oz.....2/3	10 oz.....2/0	10 oz.....2/6	2 oz.....2/3	10 oz.....2/6
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"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2d.; Boxes of 13 Packets 1/3.  
Order through your Wholesale Drug House.  
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**NOW THEN!**

At the request of several Chemists who did not see our remarkable offer we are holding it open for a further 14 days.

NOTE OFFER.—4 gr. 1d. Ni-Verre Hair Shampoo at 7/-, £1 8s. 2 gr. free of charge, carriage paid, cash with order, in the United Kingdom, abroad extra. Your outlay is £1 8s. Your returns are £3 12s. Your clear profit is £2 4s. Send your cheque now. The striking Red and Gold Shampoo—once sold, always sold. Address all correspondence to Sole Proprietors:—

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**A return of 50% to 65%  
on outlay can be made by all  
Chemists who will handle  
'HOME' BATH CABINETS.**

*BRITISH-MADE THROUGHOUT.*

To give you a fair start, we offer a Sample Cabinet complete, and a supply of strong selling literature at the following cut prices, *Cash with Order.*

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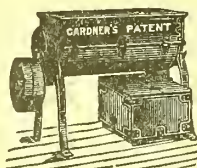
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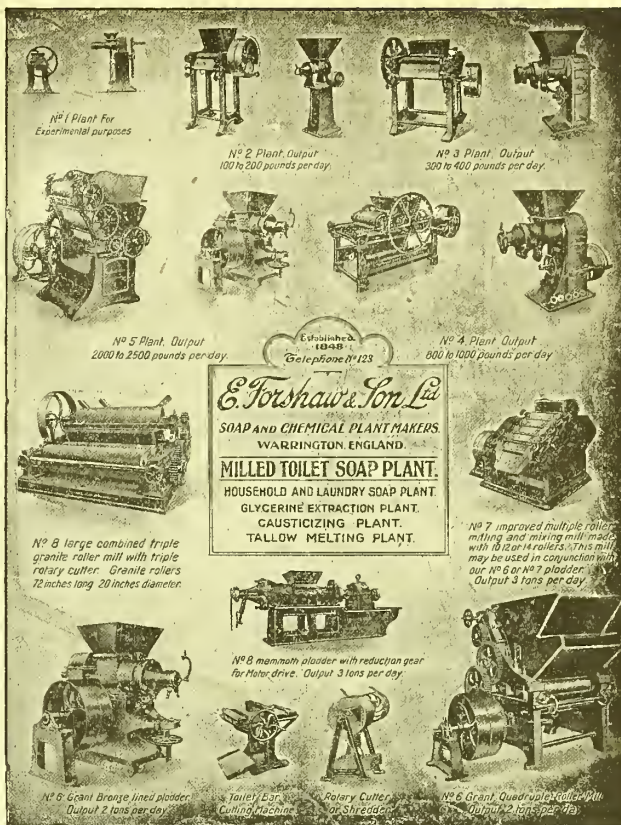




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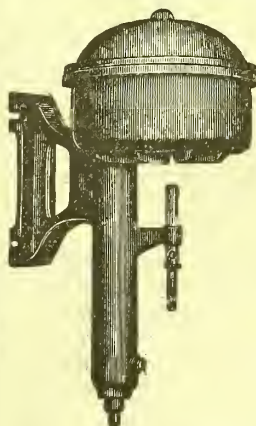
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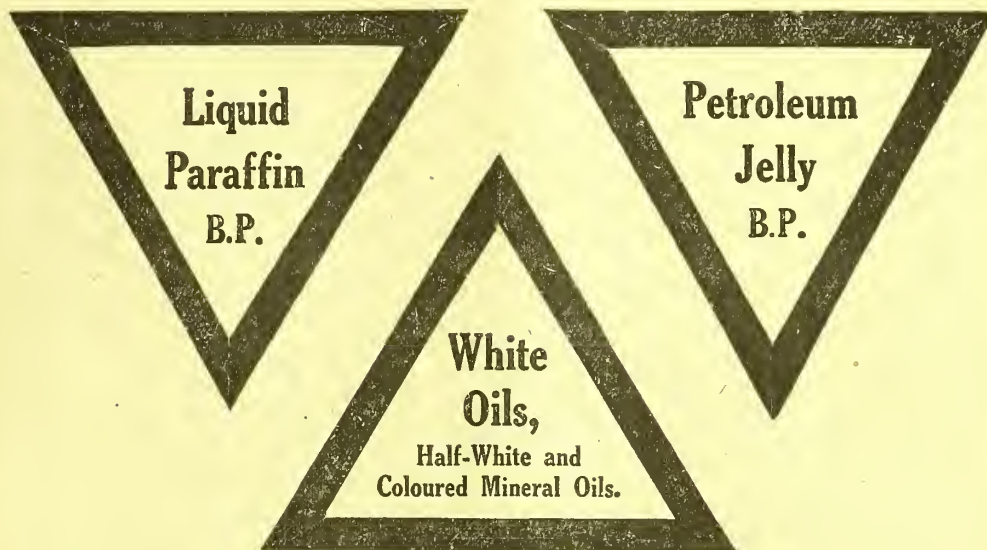
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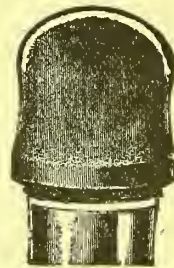


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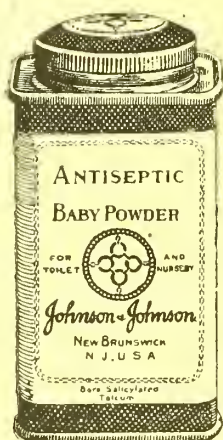
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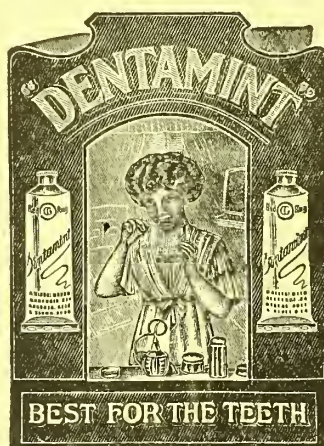
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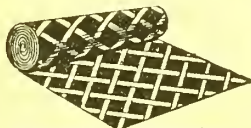
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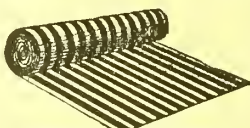
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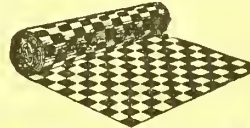
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## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

#### Sunday, March 18.

**Pharmacists' Volunteer Corps**, Duke of York's, Chelsea, at 10 A.M. Parade, followed by practical first-aid stretcher exercises and tests. On Wednesday and Thursday, at 2.45 P.M., there will be first-aid classes at 17 Bloomsbury Square, W.C.

#### Tuesday, March 20.

**North London Pharmacists' Association**. Meeting at Enfield.

#### Wednesday, March 21.

**Liverpool and Birkenhead Chemists' Associations**, Bear's Paw Restaurant, Liverpool, at 7.30 P.M. Smoking-concert in aid of the Benevolent Fund of the Pharmaceutical Society. Tickets (1s. 2d.) can be obtained from Mr. D. H. Evans, 148 Lodge Lane, Liverpool; Mr. J. Jones, 5 Strand Street, Liverpool; and Mr. H. Stockdale, 12 Mallaby Street, Birkenhead.

**Western Pharmacists' Association**, Restaurant Frascati, Oxford Street, London, W., at 8 P.M. Mr. Edmund White, President of the Pharmaceutical Society, will address the meeting on pharmaceutical organisation and the policy of the Council.

**NORTH LONDON PHARMACISTS' ASSOCIATION**.—The annual social evening will be held on March 29 at Anderson's Hotel, Fleet Street, London, E.C., the proceeds being devoted to the Great Northern Central Hospital. Tickets (4s. 6d. each) from Mr. Herbert Skinner, G.N.C. Hospital, Holloway Road, N., or Mr. A. H. Jenkin, 54 Wray Crescent, Tollington Park, N.

## European War News.

#### Import and Export Notices.

**SWITZERLAND**.—The "London Gazette" (March 13) contains a Proclamation prohibiting the exportation of certain articles from the United Kingdom to Switzerland. The list includes many chemicals and pharmaceutical products, as well as drugs, essential oils, and similar articles.

**UNITED KINGDOM**.—The supplement to the "Board of Trade Journal" (March 8) contains complete lists of articles which are prohibited to be exported from Norway, Portugal, Russia, Spain, Sweden, and Switzerland. The supplement also contains the United Kingdom contraband list in its present form.—The "London Gazette" (March 13) notifies the following changes in the list of prohibited exports: Calcium carbide, potassium prussiates and mixtures containing potassium prussiates, sodium prussiates and mixtures containing sodium prussiates, sodium cyanide and mixtures containing sodium cyanide have all been transferred to the "A" list, which means exportation prohibited to all destinations. Oleaginous kernels, nuts, seeds, and products of all kinds, baking-powder, confectionery manufactured wholly or partly of sugar, and malt extract have also been placed on the "A" list.

#### Controller of Oils and Fats.

A fortnight ago we mentioned that Mr. Alfred Bigland, M.P., had been appointed Controller of margarine, soap, glycerin, seed-oils, and oil-cake supplies, by arrangement with the Ministry of Munitions. The Secretary of the new branch is Mr. C. W. Bird, to whom communications should be addressed at the Oils and Fats Branch, Department of Explosives Supply, Ministry of Munitions, Storey's Gate, London, S.W. It is particularly desired that representations to the Controller of Oils and Fats, etc., should be put forward through trade associations and kindred bodies, and not by individuals and firms, in order to avoid unnecessary multiplication of correspondence. Mineral oils will not be dealt with by the new Department, but by the existing Munitions Petroleum Supplies Branch.

#### Personalia.

**LANCE-CORPORAL T. B. WALKER, H.A.C.**, who before the war was manager for Vines & Frocm, chemists, 64 Aldersgate Street, London, has been awarded the Military Medal for bravery in the field.

**FLIGHT-LIEUTENANT J. E. H. DAKIN**, of the Royal Flying Corps, has been recently appointed "Ferry Pilot." He is the second son of Mr. Harrison Dakin (Dakin Bros., Ltd.), and was wounded in 1915.

**MR. BLAMEY**, late assistant with Mr. R. F. Roper, Tavistock Road, Plymouth, who has been serving for some time in the Royal Engineers, has been appointed demonstrator at one of the Army gas-instruction schools.

**MR. CYRIL HINES**, of the Royal Engineers, son of Mr. H. T. Hines, of the Express Developing Co., 86 High Street, Whitechapel, E., has met with an accident in France through which he has fractured his shoulder-bone. He is now in a hospital in Somersetshire.

**PRIVATE BEN FISH**, 2nd Border Regiment, son of Mr. B. Fish, chemist and druggist, Blackfriars Road, Yarmouth, who has seen service in Egypt, and has also taken part in the Somme battles, has been recommended for a commission, and has come home for special training.

**CADET ERIC BECKETT**, eldest son of Mr. F. Lloyd Beckett (Evans Sons, Leecher & Webb, Ltd., Research Laboratories, Higher Runcorn), has been gazetted second-lieutenant, R.F.A., Special Reserve of Officers. Prior to the war Lieutenant Beckett was a trooper in the Lancs Hussars Yeomanry. He volunteered for active service immediately war was declared, went to the Front with his regiment in 1915, and during the first five months of 1916 was attached to the Intelligence Service for special duty on the banks of the Somme, afterwards being recommended for a commission. Mr. F. L. Beckett has now four sons serving, the youngest having joined the Colours on March 7.

#### Miscellaneous.

**TO BE WOUND UP**.—Mersey Chemical Works, Ltd., Alderman's House, Bishopsgate, London, E.C., manufacturers of dyes and other chemicals. *Controller*: W. E. Mounsey, 3 Lord Street, Liverpool.

**GLYCERIN FROM CAMP REFUSE**.—The Food Controller and the Ministry of Munitions have requested Mr. George A. Strangland, managing director of Samuel Meggitt & Sons, Sutton-in-Ashfield, Notts, to investigate the subject of obtaining glycerin from camp refuse, the value of the latter being approximated at half a million sterling per annum.



## Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

### Report on the February Analytical Exercise.

THE powder distributed to students on February 6 contained one part by weight of cadmium bromide, one part of zinc sulphide, and eight parts of sodium bicarbonate. The calculated composition of such a mixture is:

Cd	...	...	...	...	4.1
Zn	...	...	...	...	6.7
Na	...	...	...	...	21.9
Br	...	...	...	...	5.9
S	...	...	...	...	3.3
CO <sub>3</sub>	...	...	...	...	57.1
H	...	...	...	...	1.0
					100.0

A distinct trace of magnesium and a very slight trace of iron were also present as impurities.

Samples of the powder were sent out to thirty-three students, and fifteen reports were submitted for examination. The failures in the detection of the main constituents were:—(a) Metallic radicals: Cadmium, 10; zinc, 6; sodium, 2. (b) Acid radicals: Hydrobromic, 12; hydro-sulphuric, 5; carbonic, 2. Four students failed to note the evolution of water when the powder was heated in a dry test-tube, although this took place to the extent of about 9 per cent., owing to the decomposition of the bicarbonate.

On treating the powder with dilute hydrochloric acid, abundant evolution of carbon dioxide first took place, and this gas was mixed with some hydrogen sulphide later, and before all solid particles had disappeared. Side-by-side recognition of both gases could be effected easily by the appropriate tests. On gently heating to obtain complete solution, the observable phenomena depended upon the concentration of the acid which had been used. When the acid was above a certain degree of concentration, no change in colour took place just prior to the production of a clear solution, and this seems to have been the state of matters in most instances. With very dilute acid, on the other hand, the formation of a clear solution was preceded by the appearance of a yellow or orange precipitate of cadmium sulphide, due to the hydrogen sulphide liberated by the decomposition of the zinc sulphide interacting with the cadmium salt already in solution. This occurrence illustrated very clearly the difference between cadmium sulphide and zinc sulphide in regard to decomposition by hydrochloric acid. The yellow or orange precipitate disappeared when the temperature was raised sufficiently, since it was much more easily decomposed by hot than by cold hydrochloric acid. Its formation proved puzzling to some correspondents, while others suspected the cause and were thereby led to make special tests both for cadmium and for a sulphide—constituents which might otherwise have remained undetected. A number of students who obtained clear solutions without this precipitation of cadmium sulphide having taken place, passed hydrogen sulphide through these solutions, but, owing to the concentration of the acid present and probably also to the solutions being still hot, they did not obtain any precipitates; and from this they concluded that metals of the copper and arsenic groups were absent. The cadmium thus left in solution gave rise occasionally to confusing results, being afterwards mistaken for other metals.

The testing for acid radicals was carried out too perfunctorily in many cases, and the failures to detect the bromide were numerous in consequence. It was only in a few instances that any test was applied which might have revealed the presence of the bromide, the precipitate which was formed on the addition of silver nitrate to the prepared solution containing acid radicals being, as a rule, simply assumed to be silver chloride when it was found to be insoluble in nitric acid. It is very desirable to employ a test for bromides which depends upon the liberation and recognition of bromine, since it is futile to attempt delicate separation, or even side-by-side recognition, of silver chloride and silver bromide by taking advantage of the different solubilities of these salts in dilute ammonia.

### MARKS AWARDED FOR ANALYSES.

T. C. Egan (1st prize) ... 99	Denique ... ... 49
F. Wildman (2nd prize) 82	Excelsior ... ... 48
Somme ... ... 77	Jayjay ... ... 45
Nil Desperandum ... 64	Worm Killer ... 42
Pot. Brom. ... ... 64	G. C. ... ... 31
C. O. P. ... ... 61	Onyx ... ... 24
Nelson ... ... 61	Dinah ... ... 13
Twinkle Star ... ... 52	

As reported last week, p. 78, the awards are *First Prize* (books value half-a-guinea) to Thos. C. Egan, c/o T. Clarkson, 14 Tower Street, West Hartlepool, and *Second Prize* (books value 5s.) to F. Wildman, 53 Bute Avenue, Nottingham.

### TO CORRESPONDENTS.

*F. Wildman.*—It is unfortunate that you did not apply a test for a bromide which depended upon the liberation and recognition of bromine. Accurate discrimination between silver chloride and bromide, or separation of these two salts, cannot be attained by the use of 1-in-20 solution of ammonium hydroxide.

*Somme.*—After digesting the silver-nitrate precipitate with 1-in-1,000 solution of potassium iodide and filtering, part of the filtrate should have been tested for bromide as well as for iodide. It did not contain iodide, but it did contain bromide. Read the general remarks as to the treatment of the original hydrochloric-acid solution with hydrogen sulphide. Carnot, not Carno.

*C. O. P.*—The liberation of ammonia when the powder was boiled with solution of ammonium chloride did not prove the presence of an oxide, and was due in this case to the sodium bicarbonate.

*Nelson.*—The "brown ring" you observed in testing for a nitrate was due to liberated bromine. This is to be expected when a bromide is known to be present, but you mistook the bromide for a chlorido through failing to apply any sufficiently distinctive test for the former.

*Twinkle Star.*—What you describe as a red residue, observed on treating the powder with dilute nitric acid, consisted of cadmium sulphide. The matter which yielded the black precipitate, attributed by you to bismuth, must have been acquired from some outside source, since the powder did not contain any constituent that could react as you describe. It was unwise to include iron in your list of main constituents after describing a test for iron (which you suspected) and mentioning its failure to yield a positive indication.

*Denique.*—You have fallen into confusion in testing the gases liberated by hydrochloric acid for sulphur dioxide. Note that hydrogen sulphide decolorises iodine solution, as sulphur dioxide does, but with separation of sulphur. Paper dipped in lead-acetate solution should have been applied to the gases liberated by hydrochloric acid in the absence of zinc added as a reducing agent.

*Excelsior.*—Although your conclusion that a bromide was present was correct, it was not supported by sufficiently strong evidence.

*Jayjay.*—Note that the formation of a yellow precipitate on diluting the hydrochloric-acid solution of a powder which has been saturated with hydrogen sulphide is commonly observed when cadmium is present, but not when arsenic is present, owing to the fact that cadmium sulphide is much more soluble in moderately concentrated than in dilute hydrochloric acid, while arsenious sulphide is practically insoluble in both.

*Worm Killer.*—The behaviour which puzzled you when the powder was dissolving in hydrochloric acid is explained in the general remarks above. The test for a citrate which you desire to know about is no doubt that of Denigès. It was described in this column, in reply to a correspondent, in the *C. & D.* for January 26, 1907.

*G. C.*—The reactions which you attributed to manganese were most likely due to cadmium which you had failed to separate as sulphide by means of hydrogen sulphide.

*Onyx.*—Your evidence for the presence of tin seems conclusive, yet none was present. On the other hand, you omit any evidence in support of the presence of the sulphuric and the hydrochloric acid radicals which you report as main constituents.

*Dinah.*—Some of your reagents may perhaps contain impurities which yield black precipitates with ammonium hydrosulphide. Examine them and ascertain if this is so or not.

### PROGRESS OF THE TOURNAMENT.

The following competitors have sent in reports on the four exercises to date. Their aggregate scores are:

Centigrade ... 377	Jayjay ... 271	Onyx ... 238
Digitalin ... 350	Nil Desperandum ... 234	Twinkle Star 234
Worm Killer 236	dum ... 247	



## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### Registration of Business Names.

We remind subscribers who are using a business name which is covered by the Registration of Business Names Act, 1916, that they should register on or before Thursday, March 22. Forms of registration can be obtained from the principal post-offices. The addresses for registration are, in England and Wales, 39 Russell Square, London, W.C.; in Scotland, Exchequer Chambers, Parliament Square, Edinburgh; and in Ireland, Coleraine House, Dublin. The fee payable is 5s.

### Priority of Orders.

The "London Gazette" (March 9) contains the text of an important new Order directing manufacturers in a number of industries, including the manufacture of coal-tar products, dyestuffs, chemical products, oil-seed crushing, fertilisers, soap and candles, etc., as to the work which must have priority given to it. All work in the industries in question is to be put into Class A (Government contracts and certified war-work), Class B (which includes repairs to industrial machinery, maintenance of reasonable stocks of materials, certified export orders, orders certified as necessary for the war, and orders certified to be in the national interest), or Class C (all other work). The "Gazette" gives definitions of each class, and the reference to exports is in the following terms: Export orders, certified in writing by the Board of Trade, the Admiralty, the War Office, or the Ministry of Munitions, to be of sufficient national importance to be specially approved for export to approved destinations, and as to which the Ministry of Munitions or other Government Department controlling the necessary materials has certified that such materials can be spared.

### Liverpool.

Liverpool, Bootle, Birkenhead, and Wallasey Volunteers are assisting to guard the docks and river approaches nightly. Among them are several pharmacists who have had long experience as Volunteers.

Mr. L. Moreton Parry has received a number of letters following upon his Holborn Restaurant address. He remarked this week that he hoped the northern and southern pharmacists would learn, as the result of the current outspokenness, to understand each other better.

Quite a brisk correspondence is taking place between London and Liverpool individual pharmacists on the nominations for the Pharmaceutical Council, which close on March 18. The name of a well-known "Progressive," located in a northern city, is being freely mentioned with much favour in London, Liverpool, and Manchester.

The sixty-seventh annual report of the Liverpool Chemists' Association has been issued in pamphlet form. It contains portraits of the first two members who have made the supreme sacrifice for their country—Captain Edward Herbert Sandford Evans and Captain and Adjutant William Gilbert Saunders. It is an interesting report and a splendid record.

The yearly rally for the Benevolent Fund, to be held at the Bear's Paw, Lord Street, on March 21, is to be addressed by Mr. Bilson (Bournemouth), Chairman of the Benevolent Fund Committee, who is glad of the opportunity of speaking to members of the Liverpool, Birkenhead, and Wallasey Associations. Many who recall the former excellent entertainments will be present and bring friends. Mr. William P. Evans is to preside, supported by the Birkenhead and Wallasey leaders.

Dr. Edward Sergeant, who was formerly medical officer of health and borough analyst for Bolton, has resigned the post of medical officer of health to the Lancashire County Council, to which he was appointed soon after the formation of the authority, which dates from 1889. He is succeeded by Dr. J. J. Butterworth, who has been for eight years chief school medical officer for the county, and for the past ten months acting county medical officer of health. Opportunity will be taken of the change to separate the public health department and the central tuberculosis office, except for conferences on matters of tuberculosis which affect other sanitary work.

The demonstration by Mr. H. Humphreys Jones on "The Metric System," before the Liverpool C.A., opened the question of the script and typographical methods of denoting the decimal point. It was felt that the common method of

a dot (.), as in 2.5, might be misread in script and prove illegible in print. Even more liable to error would be .05 in print, as it might be thought that a numeral preceding the point had been omitted. The lecturer pointed out that the Germans used the comma in preference to the point, thus 2,5 or ,05. It has been suggested, since the demonstration that the hyphen—as, for example, 2-5 or -05—would be admirable. "Recurring" decimals are obvious without typographical marks.

[Such expressions as .5 in place of 0.5 are peculiarly British, and lead to error.—EDITOR C. & D.]

### Sheffield.

Mr. Geo. Squire, Ph.C., has been re-elected a director of the Athenæum Club without having to contest the seat. This is an exceptional compliment.

Watson & Co. (Mr. Wallace Heaton, Ph.C.), High Street, in spite of the restrictions in photography, are holding their annual stocktaking sale and offering goods much below ordinary prices. Flash-lamps are well to the fore. The firm is also exhibiting a safety-waistcoat for soldiers' use.

Interest in the question of restricting chemists' hours of business was shown at the recent meeting of the Insurance Committee. It was proposed that the closing-hour for panel chemists should be 7 p.m. instead of 8 p.m. for the duration of the war, but the motion was lost by a large majority.

Dr. W. Ripper, D.Eng., M.I.C.E., M.I.M.E., has been appointed Vice-Chancellor of Sheffield University in succession to Dr. H. A. L. Fisher, who is now Minister of Education. Dr. Ripper's appointment is a popular one. He went to Sheffield in 1874 as an assistant master under the Sheffield School Board, and has occupied nearly every position in the various grades of education in Sheffield. Mr. Douglas Vickers, who has succeeded the late Colonel Hughes as Treasurer of the University, is the head of the great gun-making company.

### Miscellaneous.

THE WELLCOME HISTORICAL MEDICAL MUSEUM, 54a Wigmore Street, W., will be closed from April 1 to April 30 inclusive for cleaning.

MR. FRANCIS H. CARR, F.I.C. (Boots' Pure Drug Co., Ltd.), lectured at the University of Leeds on March 13, on "Typical Problems which Concern the Works Chemist."

ARTHUR COX, checker to Boots, Ltd., Long Lane, Bermondsey, was on March 10, at Tower Bridge Police Court, sentenced to six months in the second division for stealing and receiving about 500 articles.

MINIMUM PRICE-LIST.—The March issue of the monthly minimum price-list prepared by the London County Pharmaceutical Association has been issued by Mr. G. A. Tocher, Bank Chambers, 329 High Holborn, W.C., with a postcard asking the recipients to state if they agree not to sell below the prices quoted in the list, and whether it should be monthly or quarterly.

MEDICAL SERVICE.—Mr. Neville Chamberlain, Director of National Service, had a Conference on March 14 with Sir Donald MacAlister, K.C.B., President of the General Medical Council, and other representatives of the medical profession in regard to service of medical men in the Army, and the relation of this to civil requirements.

CHEMISTS' CLOSING HOURS.—At North London Police Court on March 8, the police summoned Mr. Frederick C. Bathe, chemist, Holloway Road, for keeping his shop open and lighted for the serving of customers at 8.20 p.m. The Magistrate, in dismissing the summons on payment of 2s. costs by defendant, explained to him that he can serve customers until 9 p.m., but he must lock the door and lower the lights in the shop directly customers leave.

FEDERATION OF BRITISH INDUSTRIES.—The first general meeting was held on March 12 at Caxton Hall, Westminster, London, S.W., Mr. F. Dudley Docker, C.B., presiding. Among the objects of the Federation alluded to in the presidential address are the commanding of the attention of the Government when framing industrial legislation and united action by manufacturers for the development of the industry of the country. The membership has reached a total of 300 firms, individuals, and associations.

APRICOT KERNELS.—Mr. Edgar G. Blohm (H. Keck & Co.) sends us shorthand notes of the hearing of the case in which he was concerned, and reported in the C. & D., March 3, p. 36. It is but fair to Mr. Blohm to note that in the course of his speech to the Court the Solicitor-General said: "In pursuance of the policy which the learned Attorney-General adopted some time ago, when these cases began to come to your Lordship's Court, we have considered all the evidence in this case, and we are satisfied, subject always to the approval of the Court, that this is not a case in which there was moral turpitude."



**TENDERS ACCEPTED.**—The Lewes Board of Guardians has accepted the tender of Boots, Ltd., for drugs at 19s. 17s. 8½d. —Mr. W. Smith, St. Botolph Street, Colchester, has been appointed chemist to the Colchester Board of Guardians for six months. —Yarmouth Board of Guardians has accepted the tender of Mr. T. J. Woodcock for cod-liver oil, Howards' quinine, olive oil, crushed linseed, and trusses, also that of The British Drug Houses for drugs. Among the tenders for supplies recently accepted by municipal authorities, etc., are the following: Oswestry Town Council, A. Thomas, petroleum and chloride of lime; T. Jones, weed-killer, soap, etc.; J. H. Lewellin, earbolacene and fumigators; Brownhill (Staffs) District Council, Brownhill's Chemical Works Co., Ltd., disinfectants; Doncaster Town Council, Newton Chambers & Co., Sanitas Co., Ltd., and Killgerm Co., Ltd., disinfectants; Little Hulton (Lancs) District Council, J. W. Thompson, izal liquid and powder; W. C. Smithie & Co., sanitary liquid; Exors. of W. Sharratt, sanitary powder; and Jeyes' Sanitary Compounds, Ltd., soap.

**POISONING CONSPIRACY CHARGE.**—Particulars of the charge against Alfred G. Mason, chemist and druggist, Winnie Mason (his wife), Mrs. Alice Wheeldon (his mother-in-law), and Harriet Ann Wheeldon (daughter of Mrs. Wheeldon), of conspiring to poison the Premier and Mr. Arthur Henderson have been given in the *C. & D.*, February 10. Last week (p. 69) we reported that the trial at the Old Bailey, London, was in progress. After a five days' hearing sentence was delivered by Mr. Justice Low on March 10. The jury found Alice Wheeldon, Alfred George Mason, and Winnie Mason guilty, and they were sentenced to ten, seven, and five years' penal servitude respectively. Harriett Ann Wheeldon was found not



ALFRED GEORGE MASON.

guilty, and she was discharged.

**GENERAL MEDICAL COUNCIL.**—The Executive Committee met on February 26. The appointment was notified of Dr. E. C. Bigger as Crown nominee on the Council for five years. Correspondence was considered from the India Office in regard to recognition being accorded to the membership and fellowship of the College of Physicians and Surgeons of Bombay, but the Council was not satisfied that the course of professional study and examination is such as should be accepted for registration in the United Kingdom. A similar attitude was taken in regard to an application from the Madras University. Communications were also received regarding reciprocity with the College of Physicians and Surgeons of British Columbia, and the College of Physicians and Surgeons of Alberta. Dr. J. C. McWalter wrote asking the Registrar to remove from his name in the Medical Register the qualification of Bachelor of Surgery, University of Dublin. This having been incorrectly certified by the University, the correction was ordered to be made.

**POISONINGS.**—The reports of cases of poisoning received during the week include the following: An Australian soldier in the Duchess of Connaught's Canadian Hospital at Clevedon, near Maidenhead, was poisoned by corrosive-sublimite tablets administered to him by an orderly in mistake for aspirin-tablets. The poisonous and non-poisonous substances were, it was stated, kept together. The jury called attention to this, and to the fact that orderlies were allowed to dispense medicines.—The wife of a R.A.M.C. staff-sergeant stationed at Kimmel Camp was stated at an inquest at Rhuddlan on March 5 to have taken port wine, Wincarnis, and phosphorine—of the last named, five doses in a day. The jury found that "death was due to the effects of an overdose of a proprietary medicine containing phosphorus, such overdose being taken by misadventure."—At Randalstown, co. Antrim, Robert Nesbitt, a retired schoolmaster, drank ammonia in mistake for lemonade, and died the following day from the effects of the poison. A verdict of death from misadventure was returned at the inquest.—An iodine paint taken by an Ecclesfield woman who was suffering from tuberculosis accelerated her death, according to the evidence given at the inquest.—A farmer at Walton, Burton-on-Trent, who drank a full bottle of medicine supplied by a doctor instead of a proper dose was found to have died by misadventure. It is not clear from our report what it was in the mixture that caused his death.

## Irish News.

### Pharmaceutical Society of Ireland.

The following are the latest dates for lodging applications for the examinations to be held in April: Thursday, March 22, for the Preliminary examination; Tuesday, March 27, for the Registered Druggist examination; Wednesday, March 28, for the Pharmaceutical Licence examination; Monday, April 2, for the Pharmaceutical Assistant examination. The Preliminary examination is to be held on the first Wednesday and following day in April.

### Brevities.

Mr. J. A. Woodside, Ph.C., has acquired the Royal Hotel, Church Street, Balymena, and will convert it into a pharmacy.

A dental mechanic named Joseph Zammitt, 32 Duke Street, Waterside, Derry, was last week fined 17s. and 17s. costs, for using the title dentist on handbills which he issued.

Lieutenant W. J. McVeigh, Royal Munster Fusiliers, who was with Mr. W. P. Doohan, Ph.C., Bangor, before the war, has been gazetted to the Regular Army. He has been wounded several times.

### Guardians and Drug-contracts.

Irish Boards of Guardians are now inviting tenders for the supply of medicines and medical and surgical appliances for twelve months from April 1, 1917. The Local Government Board, in transmitting to the Boards of Guardians the prescribed lists of medicines and of medical and surgical supplies, points out that glycerin and some of its preparations have been omitted, and that the prices of a few important drugs have been reduced, but that the general tendency of prices has been upwards. Having regard to the enhanced prices and the general financial exigencies, the Board impresses on Guardians and medical officers the necessity for the strictest economy in the ordering and dispensing of drugs and medical and surgical requisites during the ensuing twelve months. Spirits and sugar are now scarce and costly, and consequently orders for tinctures, liniments, and spirits should be reduced to the lowest dimensions consistent with the proper treatment of the sick poor. During the past year the supply of grease-proof ointment-boxes was not satisfactory, and as the supply is still precarious the Board has no option but to exclude these articles from the list. The contractors will no doubt endeavour to obtain small supplies of these boxes, and the Guardians may order the boxes on special requisition, but medical officers should ask patients to bring their own vessels for ointments and also for medicines.

## Scottish News.

### Brevities.

Harry Thompson, chemist and druggist, 45 Commerce Street, Aberdeen, has granted a trust deed on behalf of his creditors in favour of Mr. W. E. Bell, solicitor, Aberdeen.

Military necessities are causing chemists not a little anxiety. Young men of eighteen who have served for some years, and whose assistance is of considerable value, are now being called up for service with the Colours, the result being that pressure of business, already great, is becoming extreme. It was understood when older assistants left for the Army that the services of youths and boys would be retained for the dispensing of drugs; but these lads are receiving Army notices on attaining the required age.

### Glasgow and the West.

Methylated spirit is being retailed in some districts at 1s. 6d. to 2s. per 12-oz. pint.

The manufacturers of a well-known cough and cold cure have been offering 9d. per cwt. for medicinal glycerin.

The continued scarcity of sugar has brought about a large demand for saccharin tablets for sweetening purposes.

"Place your order now," is the advice given by all travellers. Goods now obtainable may very soon be "off the market."

In Glasgow during October 1916, 1,614l. was realised from the collection and sale of bottles by the Boys' Brigade. The number collected was 413,273, and excellent prices were obtained for bottles and broken glass.

HEIDELBERG UNIVERSITY has been closed since February 24.



## South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

**PERSONAL.**—Mr. C. G. E. Edmeades, who for the past three years has acted as Hon. Treasurer of the Cape Pharmaceutical Society, was recently presented with a wristlet-watch and a wallet as a parting gift. Mr. Edmeades is under orders to proceed to camp at Potechefstroom prior to leaving for England.

**LENNON, LTD.**—The annual general meeting was held in the head office of the company, Adderley Street, Cape Town, on February 4, Mr. Albert Walsh presiding. In addition to the dividend on the preference shares, already paid, a dividend at the rate of 9 per cent. per annum was declared on the ordinary shares, free of income-tax. A sum of 18,000*l.* was voted to reserve funds, 1,000*l.* to the Governor-General's Fund, the balance being carried forward to next year's account. The retiring directors, Mr. J. H. Carter, of Port Elizabeth, Mr. R. Q. Leeds, of Johannesburg, and Mr. W. J. Bickle, of Bulawayo, were unanimously re-elected.

## Medical and Pharmacy Council, O.F.S.

At the meeting of the Council held on January 12, the following appeal, received from branches of the Women's Christian Temperance Union and other women's Associations in many towns throughout the Union, was discussed at some length:

"May we beg to place before your Council the following appeal? The women of South Africa, deeply concerned and anxious to stem the tide of immorality as revealed in Dr. C. T. Anderson's address, 'The Training of our Girls,' published in the 'S.A. Medical Record' of May 27, 1916, appeal most earnestly to the members of the medical profession for their co-operation and support in the endeavour to obtain legislative restriction of the sale of preventive appliances to qualified chemists, and to purchasers of legal and responsible age, with the view and hope to secure the enactment of such legislative restriction in the new Medical Act contemplated in the next Session of Parliament." The address referred to contained a startlingly terrible indictment of the result of laxity in the bringing-up of children, more particularly in one of the coast towns of South Africa. The writer of the article stated categorically that children in that town were in the habit of having sexual connection, and of using appliances for the prevention of conception.

Mr. Greenwood (a pharmaceutical member) said that the Pharmaceutical Society for the O.F.S. Province, of which he was Secretary, had discussed the matter, and that the members of that Society felt that the appeal reflected discredit on chemists, as it appeared to suggest that they had made a practice of selling preventive appliances to persons of immature age. He had, therefore, personally approached all the chemists in Bloemfontein, but had failed to find any case where it was admitted that these articles were sold to children.

Mr. Rawling supported Mr. Greenwood's contention.

Several motions were submitted and lost, Dr. Johnson, Dr. Friedmann, Mr. Rawling, and Mr. Taylor being the speakers. Ultimately, on the motion of Dr. Friedmann, seconded by Dr. Johnson, it was resolved that, in the opinion of this Council, some steps should be taken for the prevention of the sale by irresponsible persons of the articles referred to in the resolutions under discussion. Mr. Rawling's vote against this resolution was at his request recorded.

**LEOPOLD CASSELLA & CO., LTD.**, aniline-dye makers, Frankfurt a/M, have contributed 400,000*m.* to the national fund for dependants of fallen soldiers; one of the firm, Dr. L. Gans, has contributed 100,000*m.* for this purpose.

**METHYLATED-SPIRIT DRINKING** is stated to be rife in Russia as a consequence of the prohibition of alcoholic beverages. The Russian Government is endeavouring to combat the evil by stricter supervision over the sale of methylated spirit and improved methods of denaturing the alcohol.

"C" **DISINFECTING-FLUID** is a coal-tar preparation of secret composition made by Professor G. S. Graham-Smith, of the Pathological Laboratory, Cambridge, for deodorising and arresting putrefaction in dead bodies. The fluid is either brushed over the surface of the dead animal, injected into the carotid artery, or introduced into the peritoneal and pleural cavities. The fluid is sold at 4*d.* per gal. by Mr. F. W. Foreman, F.I.C., Agricultural Department, Cambridge.

## Legal Reports.

**Soda Contract.**—In the King's Bench Division, Dublin, last week, in the case of the Electro Bleach and By-Products, Ltd. v. Samuel Gibson (see *C. & D.*, March 10, p. 74), the Master of the Rolls, who sat to hear King's Bench motions, granted applications for discovery made by both the plaintiffs and the defendant.

**A Wine-leses Prize.**—The Prize Court, London, on March 13 condemned as prize 723 sacks, or 50,660 lb., of wine-leses seized on the Danish steamer *Perm*, at South Shields, on December 9, 1915. The wine-leses were consigned from Juan Llopart, Alicante, to Carl Lossen, Copenhagen, an agent said to be active in passing imported goods through into Germany. Dr. J. J. Fox, F.I.C., F.C.S., analyst in the Government Laboratory, gave evidence to the Court as to cream of tartar and tartaric acid being made from the lees.

**Kodak Films as Prize Cargo.**—In the Prize Court, London, on March 13, Sir Samuel Evans heard an application by the Crown for the condemnation as prize of thirteen cases of unexposed and undeveloped Kodak films, weighing in all 4,596 lb. They were shipped on the Danish steamer *Hellig Olav* by Davies Turner & Co., New York, to Carl Lossen, Christiania, who, by the Court's condemnation in other cases, was said to be an agent importing for the Germans. The *Hellig Olav* was stopped on her way to a Scandinavian port, and eventually allowed to proceed to Christiania on the condition that these films were transferred to another vessel and returned to Liverpool. There they were seized on January 7, 1916, and the Admiralty sold the films. Sir Samuel condemned the 265*l.* proceeds of the sale.

**An Interpleader Action** was decided by Judge Cluer, at the Shoreditch County Court, on March 9, in favour of Mr. Benjamin Cohen, chemist and druggist, 239 Well Street, Hackney. It appeared that a firm had levied execution on the premises, having obtained judgment against Sigmund Abraham Cohen. The claimant explained to his Honour that he purchased the business in January 1916. Prior to that his father had a chemist's business in Hanbury Street, Spitalfields, which he gradually purchased from him out of money he earned as a chemist's assistant. After the purchase he sold out the Hanbury Street shop and bought the one in Mare Street from John Morgan Davis & Sons. His father moved with him to Hackney, but never assisted in the shop. Claimant produced receipts and other evidence proving that the goods seized were his, and his Honour said he considered the claimant had made out his case, so gave judgment for him, with costs.

**Sale of Cattle-wash.**—At Cavan Assizes last week, Mr. J. J. Cole, Ph.C., Main Street, Cavan, appealed against a decree for 9*l.* granted to Thomas Grey, Mullmagavin, as damages for the death of a heifer alleged to have been caused by the application of part of a bottle of Eureka ringworm-wash purchased from Mr. Cole (see *C. & D.*, October 21, 1916, p. 37). Evidence was given by Grey and the veterinary surgeon, the latter giving it as his opinion that the heifer died from "some such stuff as mercury." Mr. Cole stated that the ringworm-wash consisted of potash and carbolic acid; there would be an ounce of carbolic acid in each 8-oz. bottle. Mr. Cole's assistant, who made up the batch of ringworm-wash, all of which had been sold, said there was no corrosive sublimate used in it. Mr. Justice Gordon, in giving judgment, said he did not think the beast was lost through Mr. Cole having supplied the stuff, which was only given as a cure. He reversed the decision of the County Court Judge and dismissed the action.

**Peruvian Balsam.**—At the Prize Court, London, on March 9, Sir Samuel Evans condemned as prize of war twenty-seven cases, or 2 tons, of Peruvian balsam seized on the Swedish steamer *Pacific*, on April 14-15, and twenty cases, or 1½ ton, seized on the Swedish steamship *Thai*, all consigned from Acapulco to Stockholm by Francisco Mojica for Theodor Saek, the claimant. It was pleaded for Saek that balsam should not be said to be "a resinous product," therefore contraband, simply because analysis showed this to contain 29 per cent. of resinous substance. The balsam was used for treating wounds and destroying insect parasites. It had none of the qualities of resin which would make it valuable as a substitute for rubber. Certain substances derived from trees and plants somewhat resembling rubber could be used as substitutes for rubber, but not this. The contraband list cited "resinous products, camphor, and turpentine." His Lordship, giving judgment, said it was quite clear that the shipper here



was only a dummy of Goldtree, Sievers & Co., of Hamburg. Sack, as claimant, had raised the interesting point that balsam was not contraband, or, at any rate, was not absolute contraband. It did not matter much which it was. If it was conditional it was going to Hamburg, an enemy base, and he found as a fact that an Order in Council declared it to be contraband, and for this and other reasons held that the cargoes must be condemned.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

**B.D.H. FINE CHEMICAL CO., LTD. (P.C.).**—Capital 100*l*. Objects: To carry on the business of chemical manufacturers, etc. The subscribers are C. A. Hill and G. B. Francis, 22-30 Graham Street, City Road, N.

**WINDEMER, LTD. (P.C.).**—Capital 2,000*l*. Objects: To carry on the business of chemists, druggists, dentists, opticians, etc. The subscribers are E. H. Griffith and M. C. White, R.O., 118 Ewell Road, Surbiton Hill, Surrey.

**J. J. FRANCES & SONS, LTD. (P.C.).**—Capital 3,000*l*. Objects: To carry on the business of manufacturers of and dealers in chemical materials and products, waxes, petroleum products, etc. J. J. Frances and J. N. Frances are the subscribers. R.O., 80A Southwark Street, S.E.

**ROLSTON & ABBOTT, LTD. (P.C.).**—Capital 3,000*l*. Objects: To carry on the business of dye-manufacturers, distillers, chemists, etc., and enter into agreements with W. Whitaker, who and W. Gibson are the subscribers and first directors. R.O., 40 Brazenose Street, Manchester.

**JOHN HART BRITAIN, LTD. (P.C.).**—Capital 500*l*. Objects: To carry on the business of manufacturers of and dealers in patent medicines, hair restorers, etc., and to enter into an agreement with J. H. Britain. The subscribers are A. Baker and L. Bingham, 23 Coleman Street, E.C.

**R. LANE-HALL & CO., LTD. (P.C.).**—Capital 5,000*l*. Objects: To take over and carry on the business of general export and import merchants, manufacturers, etc., carried on at 4 Lloyd's Avenue, E.C., as R. Lane-Hall & Co. The subscribers and first directors are R. Lane-Hall and D. Misell.

**VICTORIA CHEMICAL CO., LTD. (P.C.).**—Capital 11,500*l*. Objects: To take over from T. Needham, F. H. Rogers, and F. B. Dehn the option of purchasing from J. A. Kendall his patent No. 26896/12 for the treatment of chlorides of the alkali metals for obtaining useful products therefrom, and the option of purchasing a patent which J. A. Kendall holds jointly with the execs. of the late Sir Joseph Swan for improvements in the manufacture of metallic sodium. The subscribers are Captain A. G. Elliot, R.F.A., and F. B. Dehn. The first directors are T. Needham, F. H. Rogers, F. B. Dehn, and A. G. Elliot. Solicitors: J. H. Mote & Son, 11 Gray's Inn Square, W.C.

**NITROGEN PRODUCTS, LTD.**—The report states that the adverse balance of 14,171*l*. has been extinguished, and that the profits for six months ended December enable payment of a 3 per cent. dividend.

**ABERDEEN COMBWORKS, LTD.**—The directors' report for the year ended December 31, 1916, shows a sum of 15,449*l*. available for distribution. After placing 2,000*l*. to depreciation and reserve and writing off 7,440*l*. on buildings, the directors recommend a dividend of 6 per cent. and a bonus of 2*s*. per share on ordinary and deferred shares, carrying forward 1,100*l*.

**ARAMAYO FRANCKE MINES.**—At the annual meeting held at 148½ Fenchurch Street, London, E.C., on March 12, Mr. Bernard Dale, presiding in the absence of Mr. F. Avelino Aramayo (chairman and managing director of the company), read a statement from Mr. Aramayo, in which he said that the sales of bismuth were much more important than the previous year, and the price was well maintained at a comparatively moderate increase. "In Tasna we keep well ahead of our production of bismuth with our development work, maintaining our reserves constantly renewed and practically increased."

**MEDICINES FOR CHILE.**—According to information furnished by the Chilean Government, it is necessary to indicate on the immediate packings of "medicinal and pharmaceutical products imported into Chile not only the names of the substances entering into the composition of the goods, but also the quantity of each of the component substances."—*Board of Trade Journal*.

## Births.

**BEATH.**—At Harelaw, Thornton, Fife, on March 8, the wife of John Beath, chemist and druggist, of a daughter.

**HOWARD.**—At Firbank, Loughton, on March 3, the wife of Lieut. Bernard F. Howard, London Regiment, of a daughter.

**MACPHERSON.**—At Glenquithel, Kyle of Lochalsh, on March 4, the wife of Duncan Macpherson, chemist, of a daughter.

## Marriages.

**DAWSON-LLOYD-FORD.**—By licence, at Hampstead, N.W., William Dawson-Lloyd (late Royal Gloucestershire Hussars), South Coast representative of John Richardson & Co., Ltd., son of Mr. Thomas Lloyd, Crickhowell, Breconshire, and Troy House, Cheltenham, to Hilda, fifth daughter of Mr. William Ford, Wellington, Somerset, and Bayswater, London, W.

**MARSHALL-PETRIE.**—At St. Mary's Parish Church, Dundee, on March 7, Jean Dewar, younger daughter of the late William Petrie (of Johnston & Adams, wholesale druggists, Dundee), to Charles Hill Marshall, of Barnhill and Burmah.

## Deaths.

**ALPERS.**—At Cleveland, Ohio, on February 20, Dr. William C. Alpers, Dean of the School of Pharmacy in Western Reserve University, aged sixty-six. Dr. Alpers was a native of Hanover, Germany, and at the close of the Franco-Prussian War went to the United States, where he, for the first ten years, was a teacher in St. Matthews Academy, New York. He studied pharmacy at the New York College of Pharmacy, and became a Doctor of Science of the University in that city. In 1881 he opened a pharmacy in Bayonne, N.J., and continued this for fifteen years, when he became manager of the Merck pharmacy in New York. Later he started the Alpers pharmacy at the corner of 31st Street and Broadway, New York, but retired in 1905, and had latterly been associated with the Cleveland school. He was a leader in American pharmacy and all connected with it, and in 1914 was President of the American Pharmaceutical Association. He was twice married, and leaves a widow and six sons and daughters, two of the sons being pharmacists. We published in the *C. & D.*, January 29, 1916, p. 165, an excellent photograph of Dr. Alpers along with Professor Tschirch, taken by Mr. William Mair at the Tschirch residence in Berne on the occasion of the visit of an international party to Europe just before the outbreak of war.

**CARTWRIGHT.**—At Cragmere, Rawdon, on March 7, Annie, the dearly beloved wife of W. B. Cartwright (W. B. Cartwright, Ltd., manufacturing chemists, Rawdon), aged thirty-nine.

**DURET-AUBIN.**—At Jersey last week, Jurat Walter Duret-Aubin, M.B., aged sixty-eight. Dr. Duret-Aubin was a graduate in medicine and surgery of the Edinburgh University, and it was due to his initiative that a Pharmacy Act applicable to Jersey became law in 1897. We published his portrait in the *C. & D.*, August 21, 1897. Dr. Duret-Aubin had undertaken much public work in Jersey, and for the last eleven years had been Lieutenant-Bailiff of the island.

**LAMBERT.**—At Chester-le-Street, on March 5, suddenly, while on a train journey to Newcastle, Mr. John Lambert, wholesale druggist and drysalter, of Elvet Waterside, Durham, aged seventy.

**STURGES.**—At Market Place, Leicester, on March 3, Mr. William Sturges, chemist and druggist, aged eighty-two.

**YOUNG.**—At Lindum, Hadley Road, New Barnet, N., on March 7, Mr. Robert Fisher Young, Ph.C. Mr. Young was about seventy-five years old, and had lived in retirement for a number of years. He was one of the best-known veterans amongst English pharmacists, for it was fifty-three years ago that he became a pharmaceutical chemist, and all the time he had kept in touch with his old fellow students and associates. He was in the habit of attending the annual meetings of the Pharmaceutical Society at Bloomsbury Square, and he was also frequently present at the meetings of the British Pharmaceutical Conference, where his cheery character made him beloved by all who had the good fortune to meet him. In 1893, on the occasion



of the World's Fair at Chicago, he visited the United States and Canada, his friend Professor Joseph Bemrose, of Montreal, accompanying him on part of the visit.

#### Died on Service.

**EDWARDS.**—Died of wounds received in action, Bombardier R. V. Edwards, Royal Garrison Artillery, formerly with Mr. S. Carter, dispensing chemist, Penzance.

**SMART.**—Mr. Nevil Smart, chemist and druggist, who previous to the war was with Bullock & Ord, of Hanover Street, London, W., and Schacht, Warner & Co., 55 Fore Street, E.C., was killed in action in France on February 26. He was a brother of Mr. H. Smart, chemist and druggist, Littlehampton.

### Trade Notes.

**MR. J. HERTZ**, 9 Mineing Lane, London, E.C., as the successor to Hertz & Co., makes a striking announcement in this issue regarding his leading lines.

**THE WOOD-PRESERVATIVE "SANITAS-CROLEUM"** is offered in tins, drums, and casks by "Sanitas" Co., Ltd., Limehouse, London, E. It is a sound and profitable preparation.

**EGGS ARE GETTING CHEAPER**, and wise householders will be buying them to preserve, so the advertisement by Tomlinson & Hayward, Ltd., Lincoln, is of special interest to our subscribers.

**W. EDWARDS & SON**, 157 Queen Victoria Street, London, E.C. 4, have published their new price-list of proprietary articles and allied products. They will send a copy to anyone on application.

**"CHRISTY'S MONTHLY"** for March gives a good idea, and a very simple one, too, for a window-display of Zepto pencils. Some lines in other toilet-goods also referred to in the list are worth following up.

**SAVORY & MOORE'S FOOD** now sells at face values—1s., 2s., 5s., and 10s.—the prices being protected by the P.A.T.A. The wholesale rates were also slightly advanced on March 9, as Savory & Moore explain in their advertisement.

**THE INDUSTRIES FAIRS** held in London and Glasgow have been wonderfully successful. An illustration of the exhibit in Glasgow by Genatosan, Ltd. (the British purchasers of the Sanatogen Co.), appears in the advertisement section.

**VEN-YUSA**, the oxygen face-cream, is a toilet-preparation which has increased remarkably in popularity, and the manufacturers, C. E. Fulford, Ltd., Carlton Hill, Leeds, give in this issue particulars of a purchase for window-display that yields the retailer 50 per cent. profit.

**COTTON-WOOL** is one of the articles that the war has affected, and in this connection retailers will note that Seabury's "Gold Cross" absorbent cotton is still "a dependable dressing." Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C., and 235 Clarence Street, Sydney, N.S.W., are the agents.

**ONE OF THE THINGS** which the British military authorities have done that we hear little about is to rid men of corns which have afflicted them for years. The Wigglesworth way of doing it is just as good, and Wigglesworth & Co., Westhoughton, Lancs, call attention to five lines that are profitable for retailers to handle.

**"RECORD" SYRINGES.**—The Pelham Surgical Instrument Co., Ltd., Pelham Street, Nottingham, and 30 Craven Street, London, W.C. 2, now undertake the repairing of these hypodermic syringes on the conditions which are specified in an announcement made by them and their selling agents, Wilfred Turner & Co., Ltd., in this issue.

**PARA-QUIT.**—This preparation, marketed by Lawson & Co. (Bristol), Ltd., St. Philip's, Bristol, is gaining in popularity, and has been adopted by the War Office for supply to soldiers. We sent the sample which we received in January for practical trial, and it answered so well that a letter came back from the Front for a large supply. The consequence is that there is to-day a battery of British gunners who are all the happier for Para-quit.

**BISMUTHATED MAGNESIA.**—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, have sent us samples of the various showcards they produce for the purpose of advertising bismuthated magnesia. There is a great variety of these cards, mostly printed in brown and black, some with aphorisms designed to call attention to features of the remedy. One of the cards is of the tryptic type adapted for placing behind an exhibit of bismuthated magnesia or showing in the window as it is, because on the top there is a facsimile of a bottle of the remedy. The whole set of cards is supplied with an order for six dozen bismuthated magnesia. With larger quantities a window-poster is supplied in addition.

### Chemical Society.

**A**N ordinary scientific meeting of the Fellows was held at Burlington House, London, W., on Thursday, March 1, at 8 p.m., Dr. Alexander Scott, M.A., F.R.S. (President); in the chair.

The President referred to the deaths of Mr. Cyril Douglas McCourt and Mr. John Griffiths, who had fallen in action; of Dr. J. K. Crow, who was well known as a lecturer on paints and varnishes; of Mr. R. Le Neve Foster; and of Mr. C. H. Wood, who was elected a Fellow of the Society in 1860. It was also announced that on March 15, at 8 p.m., Mr. A. Chaston Chapman will deliver his lecture entitled "Some Main Lines of Advance in the Domain of Modern Analytical Chemistry," and that the annual general meeting of the Society will be held on Thursday, March 29, at 4 p.m., when the President will deliver his address entitled "The Atomic Theory." The following papers were then read:

#### NOTES ON THE EFFECT OF HEAT AND OXIDATION ON LINSEED OIL.

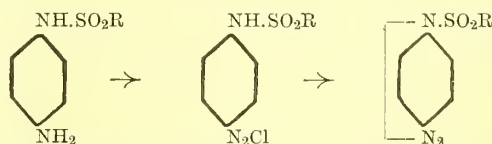
By Dr. J. A. Newton Friend.

The author gave an account of some interesting experiments on the changes in certain physical properties of the oil which are induced by oxidation and by heat. The density and coefficient of expansion decrease by the action of these agents while the viscosity rises. The molecular weight also increases in a remarkable manner when the oil is heated. The experiments described were of a preliminary nature, and will be subsequently extended.

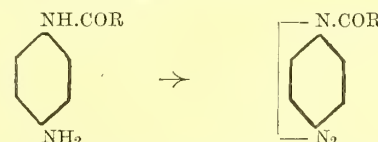
#### ACYL DERIVATIVES OF PARADIAZOIMINO BENZENE.

By Professor G. T. Morgan and Mr. A. W. H. Upton, of Finsbury Technical College.

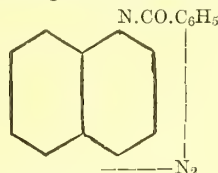
By operating with liquid nitrous anhydride in anhydrous solvents it has now been found that the general reaction which takes place with para-aminosulphonamides—



—also occurs with acyl derivatives of *p*-phenylenediamine containing carboxyl groups—



This formation of a cyclic diazoimide by internal condensation has been demonstrated when R = H, CH<sub>3</sub>, or C<sub>6</sub>H<sub>5</sub>. Benzoyl-1:4-naphthylenediamine behaves in a similar manner, yielding the diazoimide



**A PROPOSAL** is to be laid before the Swedish Parliament for the taxation of all persons who settle in Sweden for the purpose of carrying on business in that country.

**WOUND DISINFECTION** with "bipp" paste (*C. & D.*, August 19, 1916, p. 48) is the subject of articles in "The Lancet," March 3, p. 331. The paste, which is made of bismuth subnitrate 1 oz., iodoform 2 oz., and liquid paraffin q.s., is claimed to have given "incomparably better" results than were obtained with eusol, hypertonic saline with continuous irrigation or frequent dressings.



## Chemists and Druggists' Society of Ireland.

THE annual meeting of this Society was held on February 28 at 11 Waring Street, Belfast, under the presidency of Mr. W. J. Rankin. There was a large attendance. Mr. S. Nevin read the following

### ANNUAL REPORT.

I am pleased to report that membership has been maintained and a number of new members enrolled.

The Committee meetings were well attended, the members generally taking a very keen interest in the working of the Society.

No legislation prejudicial to our interests was passed during the year.

The Minister of Munitions has placed further restrictions on the purchase and sale of glycerin; this is pressing very hard on our business, but is cheerfully borne for the sake of the nation.

The great war still continues, and is affecting the prices of drugs so much that it is difficult for retailers to get a reasonable profit, some articles being only obtainable at excessive prices, and others almost unobtainable at any price. It is felt the time has arrived when prices of drugs should be dealt with in the same manner as patent medicines. This Society will give its assistance to any action that may be taken in the matter with this object in view.

A deputation waited on Ulster Drug-trade Association with reference to shorter hours for shops. After consultation between the two Associations it was decided to approach the Corporation and request that body to take a vote of shopkeepers and make a closing order. This was eventually done, but as the requisite majority was not obtained they were unable to make the order sought. It is hoped, however, another attempt will be made which will be successful, as all our members are in favour of earlier closing.

The trustees have again for the second year in succession invested a sum of money in Government War Loan, which shows the Society is in a sound financial condition, and that its interests are being well attended to by the Committee.

The President (Mr. W. J. Rankin) and Mrs. Rankin entertained the members and friends in the Central Hall, Rosemary Street. A very large number was present, and one of the pleasantest and most enjoyable evenings in the history of the Society was spent.

The energetic Mr. Frackleton continues to look after the advertising in these rooms; it could be in no more capable hands. The sincere thanks of the members are hereby tendered to him for his unwearied exertions on their behalf.

Mr. Samuel Gibson, J.P., Hon. Treasurer, has as usual represented the Society on the Chamber of Commerce.

The tenth Sir James H. Haslett Memorial Gold Medal has been awarded to James Wesley Sandford, Cookstown, who gained the highest marks at the Registered Druggist examination in 1916.

The number of social entertainments held during the winter was fewer than formerly, as it was thought advisable that these should be curtailed on account of the war.

A very enjoyable afternoon's outing for members and friends was organized by the Social Committee to Newcastle by motor char-a-banc. The evening being fine, a large number took advantage of the opportunity. Dinner was provided in Kennedy's Café, after which an adjournment was made to Donard Demesne, the grounds of which were inspected, and a photograph of the party taken.

A short speech was delivered by the President thanking the Committee for the excellent arrangements, and congratulating them on the large turn-out of members. The party assembled again at the café, where tea was partaken of. The homeward journey was then resumed, and Belfast reached in good time.

All agreed it was one of the pleasantest evenings they had spent, and it passed all too quickly.

Mr. W. J. Gibson submitted the financial statement, which was of a satisfactory nature. The reports were unanimously adopted.

### ELECTION OF OFFICERS.

On the motion of Mr. W. E. Wilson, seconded by Mr. W. Martin, Mr. Rankin was re-elected *President*. Mr. Frackleton moved, and Mr. McRoberts seconded, the appointment of Messrs. J. D. Carse, J. Walsh, and W. Martin as *Vice-Presidents*, and this was agreed to. The

other appointments were: *Hon. Secretaries*, Messrs. S. Nevin and R. A. Jamison; *Treasurer*, Mr. S. Gibson; *Auditors*, Messrs. D. A. Taylor and A. Gamble; *Committee*: Messrs. F. T. Smith, J.P. (Antrim), D. A. Taylor, W. Busby, D. Boyle, C. B. Abernethy, E. J. Roberts, H. Marshall, Thomas Sandford, G. Johnson, J. Macauley, A. R. H. Orr, W. E. Wilson, J. Moffett, D. Manson, J. Long, D. O. Perry, J. Guthrie, F. Lindsay, A. E. A. Davis, R. Spence (Castleblayney), J. Richardson.

A discussion took place on the question of drug prices and shorter hours, and a deputation, consisting of Messrs. S. Suffern, W. Martin, and S. Nevin, was appointed to wait on the North Irish Pharmacists' Association, with a view of taking joint action. A vote of thanks was passed to the President and the others who had served the Society so well during the past years.

THE ANNUAL SOCIAL was held subsequently, the proceedings being graced by the presence of lady friends. Mr. Rankin presided and welcomed the visitors. After tea an enjoyable programme was gone through, contributed by Mrs. Abernethy, Mrs. Martin (songs), Miss Richardson (recitations), Miss F. Barnett, Miss May Scott, Master Jim McAlpine (songs), Messrs. W. Uprichard, G. Fawcett, Birrell (humourists), and J. Scott (song). Miss Jeanie Scott, A.L.C.M., was the accompanist. All artistes were warmly thanked, and "Auld Lang Syne" was sung.

## Personalities.

MR. JOHN FILLINGHAM, Ph.C., has been reappointed a member of the Committee of the Grantham Traders' Association.

JESSE WILLIAMS, LTD., have opened a pharmacy at 32 Market Place, Dowsbury, with Mr. Jesse Williams, Ph.C., as manager.

ALDERMAN C. CLAYTON, pharmacist, Oxford, has been elected Chairman of the City Insurance Committee. Another chemist, Mr. Horatio C. Goodall, formerly held that position.

MR. G. A. BARNES, chemist, Newton Abbot, has been re-elected President of the Newton Abbot Mercantile Association. He is also a member of the local National Service Committee.

SIR SYDNEY OLIVIER, K.C.M.G., will shortly vacate the office of Permanent Secretary of the Board of Agriculture and Fisheries. He will be succeeded by Mr. A. D. Hall, F.R.S., formerly director of the Rothamsted Experimental Station.

MRS. ROWLAND, wife of Mr. Leonard B. Rowland, chemist and druggist, Mayor of Wrexham, has received from the Empress of Russia a piece of jewellery in appreciation of her successful organisation of the Russian Flag Day in Wrexham.

SIR JESSE BOOT, BART., has purchased Halkett House, King Street, St. Helier, Jersey, formerly the residence of the Lieutenant-Governor of the island, but for many years past transformed into a modern drapery establishment. It is stated that this will, after the war, become the local branch of Boots, Ltd.

MR. C. E. A. GOODE, dispensing chemist, 6 Chriss Street, London, E., who was co-opted to the Council of the Pharmaceutical Society, and whose term of office expires in May, is not seeking re-election. He finds that he is not able to devote to the duties the time required, considering that he is so much occupied as Secretary of the Essex County Association of Pharmacy and the Essex Pharmaceutical Committee, and as a member of the Essex Insurance Committee, the Medical Benefit Committee, the East Anglia Pricing Committee, and the Local Associations Executive Committee.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

238/27. Baystow's West Indian tincture.	240/48. Osgood's "Shurfit" adjustable instep support.
240/39. "Jupiter" disinfectant.	242/59. "Hyposal."



## Military Tribunals' Decisions.

THE following are reports of further cases heard:

**ABERDEEN.**—Of sixteen cases considered by the Military Representative in conjunction with the Pharmaceutical Committee, four assistants were called up for service. Two chemists in business (Mr. R. Shand, Gallowgate, and Mr. Wm. Turner, Great Northern Road) were granted a further two months' exemption.

**BATH.**—Conditional exemption was granted to Mr. W. B. Lloyd, Ph.C., with Davies & John, chemists.

**COLCHESTER.**—Exemption until April 1 was granted to H. W. Bolton, with Mr. A. W. Nunn, Ph.C. Conditional exemption was granted to Mr. C. S. Cullingford, chemist and druggist, with Mr. J. F. Marlar, dispensing chemist.

**CROYDON.**—Exemption was refused to J. A. Lawes, assistant in the drug department of the Army and Navy Stores.

**EAST HAM.**—Burgoyne, Burbidges & Co., manufacturing chemists, High Street South, East Ham, applied on March 5 for exemption for Mr. H. H. Lewey, who is the sole representative in the South and West of England and South Wales. Conditional exemption was granted.

**HARPENDEN.**—Exemption until May 1 was granted to Alexander Smith, assistant with Mr. Jas. Busby, dispensing chemist. He is required to register for National Service.

**KENDAL.**—Exemption until April 15 was given to Maurice Browne, apprentice with Mr. G. Vogt, dispensing chemist.

**OLDHAM.**—Mr. Frank Newby, dispensing chemist, appealed for exemption for his apprentice, who is sitting for an examination in May. Exemption was granted until May 6.

**PETERBOROUGH.**—Conditional exemption was granted to Mr. Chas. Hamson, dispensing chemist, and J. R. Sturton, assistant with Sturton & Sons, Ltd., chemists.

**ROCHDALE.**—Exemption was refused to Boland Harris, assistant with Mr. Wm. Highley, dispensing chemist, and to Anthony Simpson, assistant chemist with Crystal & Co., Ltd. Both are to report on April 15.

**ST. PANCRAS.**—The Military Representative applied for review of conditional-exemption certificates held by three chemists. Two of these—Mr. R. H. Dyc and Mr. G. F. Foster—are in partnership in Euston Road. Mr. Dye's certificate was withdrawn and Mr. Foster's conditional exemption was renewed. The third case was that of Mr. H. B. Ward, chemist and druggist, assistant to Mr. D. R. Jacks, Ph.C., Gower Street. He produced a letter from the Pharmaceutical Committee stating that he is indispensable. The Tribunal, however, withdrew the certificate, and substituted "one month final."

**SHOREDITCH.**—L. Rose & Co., 89 Worship Street, E.C., lime-juice manufacturers, appealed for John Thos. Holloway, head clerk, and the Tribunal granted two months' exemption.

**SOUTHWARK.**—Manners & Hopkinson, wholesale druggists, 82 Southwark Bridge Road, applied for the retention of a chemist who, it was stated, is dispensing between sixty and seventy prescriptions a day under the National Insurance Act. He was granted a month's final exemption.—Wright, Layman & Umney, Ltd., wholesale druggists, 48 Southwark Street, applied for the exemption of a tablet- and pill-maker and a motor-van driver. At the outbreak of war the former was employed with a firm who had to close down, the business being taken over by applicants, who are afraid they will now have to close part of their works through lack of labour. The tablet-maker was granted three months' exemption. The driver, who was in the Territorial Forces when war broke out and was invalided out, was granted two months' final exemption.—The Dean of Guy's Hospital appealed for the exemption of R. H. Benson, pharmacist, and the Tribunal granted six months' exemption.

**STOURBRIDGE.**—Substitution service was ordered in the case of Mr. A. C. Yeates, chemist and druggist, assistant with his father, Mr. A. Yeates, dispensing chemist.

## Observations and Reflections.

By Xrayser II.

### The Impending Council Election

is being made by the organ of the London County Pharmaceutical Association the occasion of such drastic criticism of the Society as makes me marvel at the moderation of my own strictures. We are told, for instance, that we must insist upon the restriction of the Society's activities, the curbing of the ambition of its officials, and the necessity of discriminating between professional interests and business needs. The co-operation of the Society with "any Executive that may henceforth represent the Pharmaceutical Committees" must be secured (the present Executive Committee is apparently to be scrapped), but there must be no "attempt at control by the statutory body." The L.C.P.A. is represented as a body awaking to the necessity of tackling the Society, and strong enough to do so with effect.

### Mr. Hocking's Extraordinarily Interesting Paper

on the supply of drugs in war-time should give pause to rash experimenters in the cultivation of medicinal plants. Not only does the cultivation itself require special knowledge, but without such further knowledge of markets and of what is being produced elsewhere as few amateurs are likely to possess the raising of the crop is the least difficulty in the way of commercial success. The question of carriage is of equal or even greater importance. In my own drug-growing business I was frequently faced by the fact that the article I produced could be got from abroad at prices with which I could not compete, because the rate of freight by sea was very much below that of railway carriage here. A neighbour in another line of business told me that he regularly exported produce to France at a lower rate of carriage than that to the English port from which it was shipped. In the discussion which followed Mr. Hocking's paper it was said that wild digitalis cannot be gathered here at the price at which it can be obtained from abroad, but, familiar as I am with districts in which this plant grows profusely, I fancy the speaker must have had the cost of carriage, too, unconsciously in mind. In that case I have no doubt that his statement was quite correct.

### A Comparison of the Index

to your volume for 1916, with that for the half-year immediately preceding the outbreak of war throws an interesting light on our history since then. The shrinkage in size caused by the shortage of paper is noticeable, but not so great as one might have anticipated, and the number of references is rather more in proportion to the space occupied than it was in the indexes of the year 1914. Examining the two in detail one finds some striking differences in the space occupied by some of the subjects. Nearly eight columns of the earlier index are devoted to National Insurance matters; of the later one not quite four columns. In the former, stock mixtures are only referred to in a cross-reference to local price-lists; in the latter there are thirty-eight direct references. In the former, again, there are but eight references to women in pharmacy and their Associations; in the latter there are fifty-one. Window-dressing is distinctly looking up; to dressing and displays I find that there are but twenty-four references in the earlier index; in the present one there are sixty-five. Early closing was referred to twice in the former; it has forty-seven references in the latter; but in each case there is a cross-reference to Shops Act. The references to cocaine and glycerin respectively in the two indexes are seventeen against seventy-six and five against seventy-four. Did space permit many more equally interesting comparisons might be noted.



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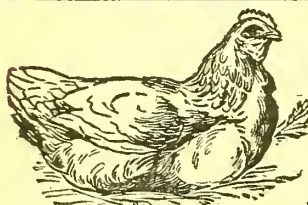
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## PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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## Editorial Articles.

### Venereal Diseases.

A SERIOUS POSITION has arisen in the drug-trade owing to the introduction in the House of Lords of the Venereal Diseases Bill. This measure is due in part to a campaign undertaken in the interests of medical practitioners, who seek, at a most inopportune moment, to profit their profession by obtaining exclusive right to the treatment of venereal diseases. This is a position which they do not hold in respect to any other human ailments, and the principle must therefore be seriously considered as a

means to monopoly, which Parliament has hitherto refused to grant to practitioners of any kind. Unfortunately, the fact that venereal diseases are alone involved at present prejudices the general principle. Nevertheless, we must present the facts to our readers. The position is serious because doctors have got on the "soft side" of Government Departments, with the result that chemists' claims and rights are deliberately ignored. The Bill (*C. & D.*, March 10, p. 83) is designed "to prevent the treatment of venereal disease otherwise than by duly qualified medical practitioners and to control the supply of remedies therefor." This is a most astonishing proposal in view of the fact that the Royal Commission on Venereal Diseases reported last year as follows:

"We should have advocated legal provisions, making the treatment of venereal diseases by unqualified persons a penal offence, but we recognise the practical difficulties in securing the effective operation of such law in present circumstances."

The terms of the Bill show that the difficulties are greater than the medical monopolists anticipate. Clause 1 defeats the objects of the Bill because it does not touch the most dangerous form of prescribing—that given by irresponsible persons without reward. It is only treatment "for reward, either direct or indirect," that is reserved to duly qualified practitioners. Mr. Glyn-Jones has pointed out that as the Apothecaries Act already covers this ground, the clause is unnecessary, at least in England and Wales, to which that Act applies. Unfortunately the clause does not go far enough as regards medical practitioners, who ought to be compelled to treat in an efficient way patients suffering from venereal diseases. According to the Royal Commission there are practitioners who refuse to treat patients suffering from venereal diseases, the wretched persons applying to such medical practitioners being insulted and receiving moral lectures, but no aid to recover from their trouble. At the best of times the treatment of venereal patients by many medical practitioners is lamentable in character, especially when the reward is not on the consultant basis. Clause 1 (2) of the Bill prohibits the sale, etc., of "any drug or medicinal or other preparation as a remedy for venereal disease" unless by a doctor's written prescription. It is not mentioned how the chemist is to know whether the person is going to use the drug or medicinal preparation, and when it is stated that most of the common drugs of the Pharmacopœia are employed in treating venereal disease, it will be seen that every chemist in the areas to be proscribed may several times a day render himself liable to two years' hard labour or a fine of one hundred pounds, as the section provides! This is not an exaggeration. One has only to examine the therapeutic indexes in Squire's "Companion to the British Pharmacopœia" or Martindale's "Extra Pharmacopœia" to find that in the treatment of gonorrhœa alone the following remedies, among many others, are employed:

Alum	Iron perchloride	Salines
Barley-water	Lead acetate	Silver nitrate
Bismuth subnit.	Linsced tea	Sodium chloride
Borax	Methylene blue	Sodium salicylate
Buchu	Mineral waters	Urotropin
Carbolic acid	Oak-bark	Zinc chloride
Copper sulphate	Potassium acetate	Zinc sulphate
Couch grass	Potassium bicarbonate	Zinc sulphocarbonate
Epsom-salt	Potassium permanganate	
Henbane		
Iodoform		

This list may be added to, and in respect to every one of them a retail chemist before selling them would need to ask his customer, man, woman, or child, such a question as, in the case of alum, "Is it for gonorrhœa?" or words to that effect. It is interesting to observe that Clause 1 (2) (a) provides that this does not affect "the sale or supply of any such drug or preparation by or to a duly qualified medical practitioner," so that the doctors are free to open shops for the sale of drugs which chemists may be prevented from selling without risks of heavy penalties. It is also provided that "the wholesale sale or supply of any such drug or preparation" will not be affected; this doubtless covers, or is intended to cover, sale by wholesale druggists to retailers, but the wording



means that an agricultural labourer may not buy three-pennyworth of "pivey" from a retail chemist, but may obtain a pint or so, which would comply with the requirements of "wholesale sale." These are but a few of the troubles that the Bill is creating for the retail drug-trade, and, distasteful though the venereal subject may be, we consider that the trading principles involved are such that chemists and their representatives should realise the danger they are in. The first thing they can do is to call the attention of their members of Parliament to the injustice of the Bill; and their own trade organisations, such as local Associations, the Chemists' Defence Association, the Pharmaceutical Societies, the Drug Club, and other bodies, should take steps to have the drug-trade case adequately presented and considered by Parliament.

### Cocaine in Dentistry.

In our issue of March 3, p. 45, we reported briefly the result of the inquiry by the Committee appointed by Mr. Herbert Samuel on November 16, 1916, "to consider the authorisations granted for the use of cocaine in dentistry, and to advise whether or not they should be continued or modified, and, if continued, in what cases and with what conditions." The Committee was one of five persons, and its Report has now been published. It is signed by Sir Charles Hobhouse, Bart., M.P.; Mr. Stanley Baldwin, M.P.; Mr. James O'Grady, M.P.; and Judge Ruegg, K.C. Dr. W. M. Bayliss, F.R.S., Professor of Physiology in the University College, London, submits a Minority Report expressing the opinion that the use of cocaine is not necessary for any dental operations, and that its place can be taken by novocaine. He considers that cocaine is undoubtedly dangerous to many persons, and he is averse to the use of these local anaesthetics being entrusted to any but registered dentists. He does not agree with the recommendations that are made by the Committee, namely:

(a) That preparations of cocaine containing more than 1 per cent. of cocaine for use as local anaesthetics in connection with dental work should be procurable only from registered chemists, or from persons or firms licensed for the purpose by the Home Secretary, and subject to the condition that such preparations should be used for dental purposes only.

(b) That such preparations should only be procurable for use by registered dentists or members of a Dental Association the conditions of membership of which have been approved by the Home Secretary. The above-mentioned classes will naturally be free to purchase all preparations not exceeding 1 per cent. strength.

(c) That persons practising *bona fide* as unregistered dental practitioners, and who can so satisfy their local authority, should be entitled to apply for registration, for right to purchase preparations of cocaine containing not more than 1 per cent. of cocaine. Such authorisation to be granted by the County or Borough Council of the locality in which their business is situated, any refusal to register such persons being subject to an appeal to the Home Secretary.

Apart from these recommendations, one of the most prominent matters in the Committee's Report refers to the inadequacy of registered dental practitioners in this country. This is illustrated by the statement that out of 13,000 persons engaged in the practice of dentistry only 5,000 are fully qualified or registered, 1,600 are members of the Incorporated Dental Society, while 6,500 are without any recognised qualification. These figures accounted for the outcry consequent on the cocaine restriction. The Committee goes on to say:

"It is remarkable and unsatisfactory that great masses of people are without the possibility of any sufficient dental treatment. For example, in Monmouthshire there are 170,000 people with only one registered dentist; in Glamorganshire there are 750,000 with only one. Help is, no doubt, rendered in these districts by unregistered practitioners, but we have no means to measure either their numbers or their skill."

The Committee explains the difference between a dentist and an unqualified practitioner, nothing very striking being said, nor do the members refer to the fact that the Dentists Act has not kept pace with the

public demand for dental advice and treatment, for now only 25 per cent. of those who practise the art are registered under the Act. It would have been an advantage if the Committee had been able to deal with this aspect of the matter, which has long been clamant and requires considered treatment. The effect of the interruption of the supply of cocaine and the difficulty of getting novocaine are also referred to by the Committee, and the properties of cocaine are described and its drawbacks referred to, while the action of novocaine is contrasted with that of cocaine, as well as the influence of adrenalin in combination with either of these local anaesthetics, the Committee indicating that the objections to adrenalin are based upon an excessive quantity being used so that sloughing resulted. Eucaïne is not mentioned. The Committee concludes as follows:

"While there is practically no evidence to show any prevalence of the cocaine-habit amongst the people of this country, and only one case of the improper use of cocaine by unregistered dentists, yet, as a drug, it is so uncertain and so potentially dangerous in its uncertainty that some restriction should be placed on its possession and sale."

Dr. Bayliss's conclusion is entirely in sympathy with the restrictive powers, and against anything being done for others than registered dentists. He says:

"Since the sale of cocaine is attended with serious risks to the community and is unnecessary in dentistry, there is no reason to interfere with the operation of Regulation 40B of the Defence of the Realm Regulations, and I would venture to recommend that the permit which has been issued to unregistered dentists to obtain preparations of cocaine should not be continued for any further period of time."

### German Salvarsan in Germany.

We reported some time ago the fatalities from salvarsan that have occurred in Germany (*C. & D.*, 1916, 1148). The matter has now come before the Reichstag as a question by Herr Sivkovich:

"In consequence of the administration of the syphilis preparation Ehrlich-Hata (606, salvarsan), a large number of cases of death, blindness, and lameness have occurred. According to army statistics, cases of syphilis in the German army have considerably increased since salvarsan was introduced in 1910 as a remedy in the treatment of this disease. From 1900 till 1909 the average number of syphilis sufferers was 4.29 per 1,000 inhabitants of Germany; in 1910 it was 5.1, in 1911 5.4, and in 1912 5.5."

Since 1914 official statistics as to cases of death from salvarsan have been collected, but not published, and Herr Sivkovich asks the Imperial Chancellor (1) to publish these statistics, (2) to fix a maximum dose for salvarsan, and (3) to put an end to obligatory treatment of soldiers and prostitutes with salvarsan.

### British Optical Science.

SIR JOSEPH LARMOR, in "Nature," referring to the Report of the Committee on National Instruction in Technical Optics (*C. & D.*, March 3, p. 36), writes in appreciation of the recommendation to translate foreign books on optics. He takes the opportunity of stating that in the original work in optical science and practice during the last century this country has had more than its share. Even the methods of evolving the manufacture of new optical glass, for which the Jena laboratories obtain full credit, was anticipated in this country by the Rev. W. Vernon Harcourt, a solitary scientific worker acting in advisory collaboration with Sir George Stokes. The British glassworks obtained results that are classic, and the revival which is taking place in the manufacture of special optical glasses should do much to restore and maintain the supremacy of British manufacturers. Elsewhere in the same issue of "Nature" is given a review of the new scheme, and the importance is pointed out of the establishment of a headquarters for optical instruction and research. This is a matter which should not be regarded as a later development of the scheme.

HOSPITAL CASUALTY CASES have decreased by 40 per cent. in the Bootle area as a result of the Liquor Restriction Order. "I have not had a case of intoxication as a cause of other injuries in the wards for a long time," states Dr. D. Ram Thapar, of the Borough Hospital, in "The Lancet."



## Pharmaceutical Society.

### North British Branch.

OWING to the unavoidable absence of Mr. David Gilmour, Chairman of the Executive, Mr. Peter Boa presided at an evening meeting held in Edinburgh on Wednesday, March 7, when the first paper was read by Dr. LEONARD DOBBIN on

#### THE CUBIC CENTIMETRE AND MILLILITRE.

It had to do chiefly with the British Pharmacopœia's treatment of the matter. The 1898 edition stated that the millilitre is the volume at 4° C. of 1 gram of water, also that 1 c.c.=0.99984 millilitre and 1,00016 c.c.=1 millilitre. He pointed out that the cubic centimetre cannot be said to be defined at all, while the 1914 edition avoids ambiguity by omitting the cubic centimetre and replacing it with the millilitre. He stated that the B.P. compilers had legal authority for exclusive adoption of the litre and its subdivisions as metric measures of capacity, *c.g.*:

The litre "is the only unit of metric measure of capacity from which all other metric measures of capacity, as well for liquids as for dry goods, shall be ascertained."—*Order in Council, May 19, 1898.*

"One millilitre equals 1.00016 cubic centimetres."—*Another Order.*

The author proceeded to say that the difference between the true cubic centimetre and the standard millilitre is exceedingly small—indeed, negligible and unrecognisable. Landolt and Bornstein (1905) stated that 1 cubic decimetre of water at 4° C.=0.999955 kilogram  $\pm$  20 mg.; while the United States Bureau of Standards, quoted in the U.S.P. 1916, states that "1 litre is equivalent to 1.000027 cubic decimetres." The difference may, therefore, be accepted as of the order of about 1 in 20,000 to 1 in 40,000, or, roughly, it would amount, in the volumes of standard solutions usually employed in carrying out individual volumetric determinations, to one or two thousandths of a cubic centimetre. Dr. Dobbin also noted that the United States has adopted the millilitre instead of the cubic centimetre, and concluded:

"As to the suitability or otherwise of the contraction mil, or of the terms decimil and centimil, also introduced into the B.P. 1914, it is desirable to point out that two of the contractions adopted in the Pharmacopœia—viz., *dl* for decimil and *cl* for centimil—seem to be singularly ill-chosen, and liable to be most misleading in practice. Contractions should suggest the terms for which they stand, and just as *Dg* (also adopted in the B.P.) suggests decigram, so *dl* suggests decilitre, whereas it has been adopted for the thousandth part of a decilitre. Similarly *cl* has been adopted for the thousandth part of a centilitre. The ordinary usage as regards contractions is employed in the U.S. Pharmacopœia, 1916. There *dl* stands for decilitre and *cl* for centilitre. It may be said that *dl* and *cl*, *cl* and *cl* are sufficiently distinct, but the employment of contractions so closely resembling each other, and yet so different in signification as the members of each of these pairs, is not easily defensible, and the departure from usage is in the B.P."

Mr. D. B. DOTT considered this to be a valuable piece of criticism. He was followed by Mr. JOHN LOTHIAN and Mr. RUTHERFORD HILL, the latter speaking fully upon definitions in the B.P. 1898, and expressing the opinion that introduction of the word "mil" into the B.P. 1914 was quite gratuitous, and is causing trouble and confusion. Dr. DOBBIN replied, stating, *inter alia*, that he was inclined to think, like a recent writer in the *C. & D.*, that what is intended by a litre is the volume of one kilogram of water at 4° C., but this is nowhere explicitly stated.

#### ETHER PURIFICATION.

In a note on the detection of methyl compounds in ether, Mr. D. B. DOTT criticised the B.P. fuchsin-test as described on p. 33 of the book. It is difficult to get an ether to pass the test. The decolorised solution of fuchsin, B.P., p. 477, is at fault, and the author said a standard solution is necessary, while the B.P. directions should be more explicit. It is well to let the fuchsin solution cool to 60° C., then add the acid sodium sulphite and shake. Next add the hydrochloric acid, 2 c.c. at a time, shaking after each addition. Cool by placing in cold water, and dilute to 1 litre. The B.P. is also at fault in regard to the strength of the oxalic-acid solution, p. 33 (9.6 in 100). It is beyond the solubility of the acid at lower temperatures. It should be made half the strength, and 1 c.c. used instead of 0.5 c.c. Messrs. LOTHIAN, HILL, and COWIE commented on the paper, Mr. Hill stating that he had endeavoured to procure a sample of purified ether prepared from industrial alcohol, but he failed to find any maker who was ready to supply it, owing to the colour-test, and Mr. DOTT's suggestion was the remedy. Mr. DOTT added that fuchsin does not detect methyl oxide.

#### A SALICYLATE MIXTURE.

In the *C. & D.*, May 27, 1916, p. 599, the following mixture formula was printed:

Sodii salicylatis,			
Sodii bicarb. ...	...	aa.	5iss.
Tr. ferri perchlor. ...	...	...	5ij.
Aquam ad ...	...	...	3iij.

Mr. W. DUNCAN now discussed it, and stated that although chemically it is woefully incompatible, it is an elegant and ideal combination. It makes possible the exhibition of iron and alkali salicylates in a non-astringent non-acid form, producing a beautifully coloured solution if the compounding be done as follows: Dissolve the salicylate in a portion of the water, add the iron, mix and then add the bicarbonate, and finally the remainder of the water when action is complete. The operation should be carried out in a fairly large measure, as there is much effervescence. Mr. Duncan discussed the possible chemistry of the compound, and Messrs. STOUT and COWIE briefly commented upon it.

Mr. HILL next read a note by Mr. Arthur Flett on

#### A TRANSFER PROCESS FOR BLISTER-SPREADING.

A piece of parchment-paper of suitable size is rubbed over with a few drops of liquor epispasticus, and the emplastrum cantharidini is spread on it, somewhat larger than the required blister, by means of a spatula warmed by standing in hot water. The usual paper shape for the blister is laid upon this and gently rubbed round with the finger. The parchment-paper, blister side downwards, is now laid on to a piece of adhesive plaster and rubbed over evenly and firmly with a knife, and the parchment-paper is then stripped off. The face of the blister is smoothed, if necessary, by passing a warm spatula lightly and quickly over it, and the paper shape is then lifted off. Two or more blisters may thus be spread at the one operation. In cold weather emp. cantharidini should be beaten up in a warm mortar to soften it. Mr. DUNCAN opened a discussion on this communication, condemning adhesive plaster for blisters because the plaster may stick, when painful results may accompany the removal of the blister from the skin. Messrs. GLASS, LOTHIAN, and BOA also spoke, but did not favour that notion. Mr. HILL replied for the author, pointing out the superior finish of the Flett method blister.

#### COMMERCIAL GLUCOSE AND SYRUPS.

Mr. W. B. COWIE, in a note on "Risks in Using Commercial Glucose in Pharmaceutical Preparations," pointed out that commercial glucose contains varying amounts of sulphur dioxide as a constant impurity, with the result that in pharmaceutical acid syrups—*c.g.*, Easton's and Parrish's—changes in colour and odour occur. A useful test for detecting sulphur compounds in sugar and glucose is—

To 10 grams of the substance to be examined, dissolved in distilled water and made up to 50 mls, are added 1 gram sodium hypophosphite and then 10 mls of conc. phosphoric acid (1.5); the corked container is set aside in a warm place for a few hours, when the usual sulphur compounds will be detected by the odour.

Commercial samples of glucose contain from 160 to 350 parts of SO<sub>2</sub> per million. Samples examined contained 350 parts per million. Mr. LOTHIAN, Mr. STOUT, Dr. DOBBIN, Mr. ROWLAND, Mr. HILL, and the CHAIRMAN commented upon the paper, putting questions, and generally agreeing with the importance of the author's observations. Mr. COWIE, in replying, said that the cost of supplying pure glucose is high, and that is the chief reason why manufacturers will not supply it.

All the authors were thanked for their papers. Attention was directed to a specimen of Egyptian henbane (*Hyoxyamus muticus*) from Duncan, Flockhart & Co.

PARIS SOCIETY OF PHARMACY.—The first meeting of the year of the Paris Society of Pharmacy was characterised by the reading of a report on the work of the Society during the past year and by an address by the President. The new Chairman (M. George) took the place of M. Cousin, and M. Choay (son-in-law of the lately deceased M. Champigny) acted as Vice-President, while M. Sommelet commenced duty as Annual Secretary. The presence of M. Lafay, prisoner of war in Germany for some eight months, was duly alluded to by the new President. The death was referred to of Dr. C. C. Keller, of Zurich, a corresponding member, who had bequeathed to the Society a legacy of 20%, as a "contribution to its scientific researches." The papers read included a note by Dr. Bury on the rapid volumetric assay of chlorinated solutions, while M. Léger presented a sample of cocaine hydrochloride received from a pharmacist at the Front, which, while satisfying certain Codex tests, only possessed an anæsthetic action equal to one-third that of the ordinary salt.



## Associations' Winter Session.

**Aberdeen.**—The seventy-ninth annual meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's Technical College on March 7, Mr. J. R. Reith in the chair. A somewhat animated discussion, led by Messrs. Hay and Craig, took place over the question of the regularity of the special meeting held on February 6, when the question of applying for a Closing Order was considered. The Chairman's ruling ended discussion, and the report of the special Committee appointed to deal with the Closing Order was submitted. Out of sixty-eight, sixty-three persons signed the petition for closing at 8 p.m., Saturdays at 9 p.m. The petition is now in the hands of the Bills and Law Committee of the Town Council. It was agreed to ask the local authority to insert, if possible, a clause enforcing the locking of the doors at closing-time. The annual report and balance-sheet were adopted, as were the reports of the Education, Business Interests, Insurance, and Entertainments Committees. Mr. J. Mutch and Mr. Wm. Fraser were elected members. The office-bearers for the ensuing year were elected as follows: *President*, Mr. A. F. Dugan; *Vice-President*, Mr. W. F. Hay; *Treasurer*, Mr. C. Simpson; *Secretary*, Mr. M. K. Watt, 23 Esslemont Avenue; *Auditor*, Mr. J. R. Reith; those, along with Messrs. W. Giles and A. Craig, forming the Executive. A vote of thanks was given to Mr. Reith, the retiring President.

**Bradford.**—A meeting of the Bradford Pharmacists' Association was held on March 13, Mr. R. T. Silson (President) in the chair. Mr. F. Pilkington Sargeant, member of the Pharmaceutical Council, gave an address on *Pharmaceutical Organisation*. He said it would be a dangerous policy to endeavour to separate the professional and trade sides of the craft, which are so interwoven as to be inseparable. He favoured the idea of territorial representation, but a Committee has been appointed by the Pharmaceutical Society to investigate the whole matter of organisation. Pharmaceutical education in the provinces should never have been relegated to private individuals, but this had happened because of the selfishness of the Universities, which would not establish classes that cannot be made to pay. Some people think that the "Minor" ought to be easier, and others that it should be stiffened; some went so far as to suggest its stiffening to the extent of keeping out many men, and so gaining better remuneration for those who got through. That effect, however, might not follow, because if the public were seriously inconvenienced by shortage of pharmacists it would devolve upon the State to remove that inconvenience, without regard to the cost to pharmacy. He did not think the "Minor" should be any easier, but the stiffening should not be too much. The calling must be made more remunerative, in order to attract desirable men to the craft after the war. There must be keener investigation into pharmaceutical trading and a rooting-out of unqualified men who traded, in all but name, as chemists and druggists, and he could think of no better step to begin with than strict regulation of the wholesale distribution of poisons. There must be a strong fight for total separation of prescribing and dispensing, and he thought no chemist would mind giving up what he did in the way of prescribing if he knew they were to get all the dispensing. He thought there was a prospect of success in this direction. The discussion which followed was taken part in by the President, Mr. M. Firth, Mr. D. S. Priestley, Mr. F. E. Burdett, and Mr. Etchells.

**Essex.**—The annual meeting of the Essex County Association of Pharmacists was held at 17 Bloomsbury Square, London, W.C., on March 8, Mr. T. England (President) in the chair. Mr. T. Neathercoat (Vice-President of the Pharmaceutical Society) addressed the meeting on *Pharmaceutical Matters*. He dealt with the glycerin question and the difficulties surrounding it, the position of pharmacists with regard to the negotiations on the Venereal Diseases Bill, and the representation of pharmacy in Parliament by one or more members, incidentally pointing out that any approved candidate for Parliamentary honours has a claim upon the Parliamentary Fund. He finally touched upon the responsibilities of the Council. Mr. J. Hearle next spoke on the trade side of pharmacy. He dealt with organisation, and recommended it whole-heartedly up to a point. He objected to the wholesalers combining at the expense of the retailer, and quoted instances to bear out his contention. He next dealt with the shortcomings of the Pharmaceutical Society, and suggested that in future problems connected with Insurance dispensing would best be met from a different standpoint than that adopted up to the present. Nothing short of the power to back

up any reasonable demand with the united voice of the members would satisfy him. The discussion which followed was taken part in by Mr. J. H. Matthews, Mr. M. E. Swan, Mr. J. Kirkpatrick, and Mr. C. E. A. Goode. Mr. Goode mentioned the circumstances which prevented him from seeking re-election to the Council of the Pharmaceutical Society. Messrs. Neathercoat and Hearle were thanked for their addresses. The Treasurer then submitted his report, which was adopted, and three guineas voted for the Benevolent and Orphan Funds. The report of the Hon. Secretary was also adopted. The following officers were then elected: *President*, Mr. T. England (re-elected); *Vice-President*, Mr. Charles Rundle, Walthamstow; *Treasurer*, Mr. E. A. Holloway (re-elected); *Hon. Secretary*, Mr. C. E. A. Goode (re-elected).

**London (E.).**—A meeting of the East London Pharmacists' Association was held at Limehouse, on March 8, the President (Mr. A. R. Keith) in the chair. Mr. W. Wood was appointed Trade Secretary in place of Mr. A. Styles, who has resigned. In regard to the question of the minimum sale of scheduled poisons, it was agreed to fall in line with the other district Associations of London, and make the minimum quantity sold in Part 1 *6d.*, and in Part 2 *2d.* Members were requested to declare their stocks of glycerin to the Trade Secretary, and it was decided to let neighbours have small quantities for dispensing purposes at an arranged price. A motion in favour of the renewal of the Early Closing Order, which comes to an end in April, was passed unanimously. Mr. C. Breese, of the South-Western Association, delivered an address on *The Council and its Policy*, which was interesting and instructive. The unprogressive methods of the present Council were severely criticised. Among the reforms advocated were federated areas, territorial representation, no co-option, compulsory membership, any Committee like the Local Associations Executive to be wholly elected by the delegates, and trade matters to be dealt with by a body with full powers.

**Plymouth.**—A meeting of the Committee of the Plymouth Association of Pharmacists was held on March 9, Mr. F. Maitland (President) in the chair. He was congratulated on his recovery from a severe illness. The latest "P.S." circular is to be circulated among the members. The minimum list was considered and the suggested dispensing scale criticised as too high, in view of the competition of company chemists. It was decided to apply for a Closing Order under the Shops Act so as to protect the craft.

**Salford.**—A meeting of the Salford Pharmacists' Association was held on March 8, Mr. H. Thompson (President) in the chair. A decision on the question of continuing to close at 8 p.m. was deferred to the next meeting. Complaint was made that the Executive Committee of the Association and the Pharmaceutical Committee are not helped by the pharmacists as they should be. The President made a statement regarding the Drug Tariff. He stated that the prices are from 6 to 7 per cent. below the wholesale drug lists of local houses, and expressed the opinion that every panel chemist is losing money on Insurance work. He thought that improvement would be effected by creating sympathy rather than by organisation. The "floating sixpence" should be applied to remunerate pharmacists. The principle of comparative higher payment for small quantities of drugs, which was agreed upon when Medical Benefit under the Insurance Act was inaugurated, has been departed from under the metric pricing system now in force. He protested against the method, and expressed his admiration for the way the Scottish pharmacists had maintained their standpoint regarding remuneration for drugs and dispensing.

**Swansea.**—The annual meeting of the Swansea and West Glamorgan Chemists' Association was held at the Cameron Hotel, Swansea, on March 8. The Secretary presented the annual report, which was accepted. Mr. E. Bevan resigned his position as Vice-President, and Mr. W. Isaac (Morriston) was elected in his place. The other officers were re-elected. A subscription of two guineas was voted to the Benevolent Fund of the Society, and an honorarium of the same amount to the Secretary. Difficulties in adopting a minimum price-list were referred to, and the cost-price and carriage of various proprietary articles (chiefly local) were discussed. The Secretary was instructed to write to the proprietors of Georges' pills, Hughes' pills, Williams' balsam of honey, and Lewis' drops, asking them to consider the question of protecting the retail price and paying carriage on a reasonable quantity of the goods. The meeting was unanimous in the opinion that the continuance of the present early-closing hours is to the advantage of pharmacists and public, and the Secretary was instructed to communicate this opinion to the authorities. The list of *locum tenentes* was revised.



**Ucal Lodge of Pharmacy.**—A meeting of the London Ucal Lodge of Pharmacy was held at the Holborn Restaurant, High Holborn, W.C., on March 8, Mr. J. Milner (President) in the chair. Mr. G. W. Evans (Secretary) announced that it had been decided to postpone the establishment of a London Ucal dépôt until after the war. The Treasurer's report showed a good balance in hand. Mr. Frederick Cherry, Ph.C., then gave an address on *The Future Development of Ucal*, in which he asked members to prepare for a vigorous campaign after the war for pushing the aims of the directors in popularising the goods of the company and increasing the membership. He suggested a subsidiary company as the quickest and safest way of developing the aims of the directors, which would avoid risk to the capital of the main company. The export trade needs cultivating so that the movement shall be Imperial as well as national. The first step in this direction has already been made by the registration of trade-marks throughout the Empire. The lecturer was thanked for his address. The Secretary afterwards explained the arrangements for window-shows of a medicated skin-soap which are being drawn up by professional window-dressers.

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### INTERNATIONAL OPIUM CONVENTION.

Lord Robert Cecil informed Sir W. Collins on March 8 that the position as regards this Convention has not changed since the issue of the White Paper in February 1915.

### TRADE CIRCULARS.

On Wednesday, March 14, Mr. H. A. Watt was informed in the House of Commons that there is nothing to prevent traders from circularising their customers and inviting them to apply for such catalogues or price-lists as they may require.

### ECONOMY IN PARCELS DELIVERY.

The London Chamber of Commerce has been in communication with the Department of Mr. Neville Chamberlain in regard to the question of economy in the delivery of parcels in the wholesale distributing trades. It is understood that the Director-General will address a special meeting of the Chamber in regard to the general scheme on a date to be arranged.

### A CONTRAST.

Mr. John Hodge, the Labour Minister, gave a dinner at the House of Commons rooms to Mr. Barker, the bone-setter, who attended him after his recent accident, making the knee-joint well. About fifty M.P.s were present. Mr. Hodge explained that it was his semilunar cartilage that was displaced, and his own doctor advised him to see Mr. Barker, who treated him under gas, and when he went away cured refused to allow him a walking-stick. The irony of this ministerial compliment lies in the fact that it comes after the War Department declined to avail itself of Mr. Barker's services because he is not a registered medical practitioner.

### TRADE CATALOGUES.

The Parliamentary Secretary to the Board of Trade informed Mr. J. Hindes, M.P., in the House of Commons on March 12 that a general licence will be issued extending up to March 24 the period for the issue of catalogues and the like which are in process of printing at the date of the Order. Individual applications for further extension in exceptional cases will be considered by the Paper Commission on their merits. The Order will not preclude the sending of catalogues to persons who ask for them, and will, he hopes, not interfere with the maintenance of essential business. It is not at present proposed to impose restrictions on newspaper advertisements.

### CRIMINAL LAW AMENDMENT BILL.

This measure came before Standing Committee A of the House of Commons on March 8, when Mr. Glyn-Jones moved an amendment to Clause 2 in respect to "soliciting or inviting" but it was withdrawn after the Home Secretary and Mr. John Burns had spoken on it. The Committee met again on March 14, when one of the amendments submitted by Mr. Glyn-Jones was the following addition to Clause 7, before paragraph (a) (see *C. & D.*, February 24, p. 49):

"Any person who holds out or recommends by any public notice or advertisement, or by any written or printed papers or handbills, or by any label or words written or printed affixed to or delivered with any packet, box, bottle, phial, or other inclosure containing the same, any pills, powders, lozenges, tinctures, potions, cordials, electuaries, plaisters, unguents, calves, ointments, drops, lotions, oils, spirits, medicated herbs and waters, chemical and officinal preparations whatsoever to be used or

applied externally or internally as medicines or medicaments for the prevention, cure, or relief of any venereal disease, shall be guilty of an offence under section three of the Indecent Advertisements Act, 1889.

Provided that regulations may be made providing for the publishing or notification of the therapeutic properties and uses of any drug, medicine, or appliance in such manner and to such persons as the Local Government Board may direct."

The whole of the Committee's sitting was devoted to the further consideration of Clause 2, the fourth sub-clause of which was deleted.

### VENEREAL DISEASES BILL.

This Bill, which was printed in the *C. & D.* last week (p. 83), was read a second time in the House of Lords on March 8. Lord Rhondda, President of the Local Government Board, explained that it was mainly based upon recommendations contained in the Report of the Royal Commission. Remedial measures are very necessary now, because the records of centuries show that during and after a great war there is a great increase of the disease. The Bill provided that only qualified medical practitioners should treat any person for venereal disease, and that no person should sell, supply, or dispense any drug or other preparation as a remedy for venereal disease unless the remedy was dispensed on and in accordance with the written prescription of a duly qualified practitioner. The Royal Commission did not actually recommend the suppression of unqualified persons, but stated that the effects of unqualified practice are disastrous, and that its continued existence constitutes one of the principal hindrances to the eradication of these diseases. The Commission considered that there are practical difficulties in the way of such a step, but he believed that some of these had now been removed. He did not claim that the Bill is a water-tight measure, and it is possible that some of its provisions might be evaded by unscrupulous persons. On the other hand, it marks a considerable advance, and the moral effect should be great. No doubt the Bill would press a little hardly on chemists and druggists, but he confidently believed that the pharmaceutical body as a whole would offer practically no opposition. To some extent, no doubt, it would interfere with the livelihood of herbalists, but, after hearing the views of a deputation, he saw no reason for changing his view that they ought to stand firmly for the suppression of all unqualified persons. (See p. 42.)

## New Books.

Kingzett, C. T. *Chemistry for Beginners and for use in Primary and Public Schools*. 7 x 4½. Pp. 106. 2s. (Baillière, Tindall & Cox.) [Consists of four parts. Part I. deals with matter, solution, chemical changes, synthesis, elements, atoms, and molecules, and correlated subjects. In Part II. force and energy, light, heat, electricity, and magnetism are the principal subjects. Part III. treats of the air, the elements, and their principal compounds; and Part IV. is an excellent dictionary and index. The book is interesting from cover to cover, a characteristic which most authors of elementary books on chemistry succeed in evading. The author's object has been to interest scholars so that they may readily progress to a fuller knowledge of the subjects.]

Daines, G. W. *Firm-names Register*. 3d.

Brown, Kenneth. *Guide to the Registration of Business Names Act, 1916*. 7 x 4½. Pp. vi + 51. 1s. net. (Sir Isaac Pitman & Sons, Ltd.) [The first of these is a lucid survey of the intricate provisions of the Statute by the Manager of the Information Bureau, 140 Strand, W.C. It is an eight-page reprint from the "Financial News." Mr. Brown's "Guide" is a useful book, giving all particulars in regard to the new Act. It is divided into thirteen chapters, and is followed by the complete text of the Act. The author states that he has "made this little book intended for the man in the street, to prevent him, if possible, from being the man in the cart." We like the book better than the language.]

Ellis, Mrs. John D. *Herbs used in Medicine* (First Series). 7½ x 4½. 2s. (National Herb-growing Association.) [Contains thirty-two pages and sixteen coloured plates, with a preface by Mr. E. M. Holmes and a foreword by Miss Alice Sandford, Chairman of the National Herb-growing Association. The coloured plates are from drawings by Miss Ethel M. Barlow, and are excellently reproduced. Opposite each plate is a botanical description of the plant, with references to the natural order in each case and remarks on classification, terminology, and other allied subjects. The plants are agrimony, centaury, chamomile, deadly nightshade, feverfew, henbane, marsh mallow, meadow saffron, opium poppy, poison hemlock, sweet flag, tansy, valerian or al-hal, wood betony, woodruff, and woodsage. The information given is very happily chosen, for it is what people interested in plant growing and collection want to know.]

Mr. E. M. Holmes, F.L.S., F.R.H.S., Ruthven, Sevenoaks, has published his Royal Horticultural Society lecture on Medicinal Herbs, and his second lecture to the Central Committee for National Patriotic Organisation on the Cultivation and Drying of Medicinal Plants. The former is 6d. and the latter 1s., and they can be obtained from the author.



## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Blackburn.**—The Special Joint Committee has drawn up a report regarding the enlistment of chemists' and doctors' dispensers in the Blackburn area, and this has been approved by the Insurance Committee. The Clerk to the Committee reported that he had served notices of appeal on the Advisory Committee for the exemption for a further period of certain chemists and their assistants. The Sub-Committee had considered, he said, the question of replacing these chemists and dispensers, under the age of thirty years, by men over age or ineligible for military service, or by women, having regard to the amended age limit fixed by the Local Government Board. After full consideration it was recommended that as it was most important to retain unimpaired the confidence of the public in the character and quality of the dispensing of drugs for the general and insured population, chemists, their assistants, and experienced dispensers should only be replaced by persons who are of approved knowledge and ability in the dispensing of drugs. Also, that the Pharmaceutical Committee be asked to report what steps, if any, have been taken by chemists to replace assistants under thirty years of age for whom the Insurance Committee is appealing for a further period of exemption. A second report related to the early closing of chemists' shops. The Pharmaceutical Committee was recommended to provide panel chemists with a transparent or other conspicuous notice for exhibition in the window or door of the shop.

**Cheshire.**—The Insurance Committee have issued a local Formulary, "Pharmacopœia Cestriensis," based upon that in use at St. Bartholomew's Hospital. The work is being sent to doctors and chemists on the panel. It contains eighty mixtures, and includes all the preparations contained in the Drug Tariff. Economy has been the main object in view in compiling the Formulary.

**Devonshire.**—At a meeting of the County of Devon Insurance Committee at Exeter on March 5, Mr. P. F. Rowsell, J.P., moved a resolution urging the establishment of a Ministry of Public Health so as to co-ordinate the public services devoted to health questions. He said there is need of a board of medical consultants and referees to whom panel doctors could apply in cases of need. The resolution was carried.

**Lancashire.**—A meeting of the Joint Committee of the Lancashire Prescription Bureau (No. 4 area) was held at Bolton last week, when a recommendation that a call of 1*l.* per 1,000 prescriptions be made on the constituent Committees for the half-year ended June 30, 1916, was approved. The figures are: Barrow, (prescriptions first half of 1916) 45,428, (prescriptions first half of 1917) 40,000 (amount of first call 1917) 40*l.*; Blackburn, 80,899, 71,000, 71*l.*; Blackpool, 18,365, 16,000, 16*l.*; Bolton, 112,327, 100,000, 100*l.*; Burnley, 57,585 52,000, 52*l.*; Bury, 27,326, 23,000, 23*l.*; Oldham, 91,107, 80,000, 80*l.*; Preston, 64,427, 58,000, 58*l.*; Rochdale, 55,339, 49,000, 49*l.*; Westmoreland, 13,467, 11,000, 11*l.* The total number of prescriptions for the first half of 1916 was 566,270, and the estimate number for the corresponding period of 1917, 500,000, the amount of the call is 500*l.* During last year the total scripts received from all the Committees numbered 987,025, or an average per month of 82,252. Bolton came first with 193,331 scripts, followed by Oldham with 159,113, Blackburn 143,801, Preston 112,218, and Burnley 104,248. March 1916 was the heaviest month with 94,022 scripts from the whole area, and the lightest month was August, with 68,914. The payments to be made by the Committees for the year in respect of the additional war allowance of 0.3*d.* per prescription are: Barrow, 106*l.* 18*s.* 3*d.*; Blackburn, 191*l.* 4*s.* 8*d.*; Blackpool, 47*l.* 16*s.* 4*d.*; Bolton, 266*l.* 3*s.* 3*d.*; Burnley, 140*l.* 13*s.* 4*d.*; Bury, 66*l.* 9*s.* 1*d.*; Oldham, 223*l.* 3*s.* 8*d.*; Preston, 156*l.* 0*s.* 6*d.*; Rochdale, 131*l.* 18*s.* 9*d.*; Westmoreland, 31*l.* 8*s.* 4*d.* The question of adopting a uniform Formulary for the whole area was referred to a Sub-Committee.

**London.**—A meeting of the Pharmaceutical Committee was held on March 13, Mr. A. R. Melhuish in the chair. A letter was received from the Insurance Committee in reply to the Pharmaceutical Committee's communication regarding delay in payment of chemists' accounts for the months of November and December 1916 and January 1917, which stated that any delay was due to the failure of a

considerable body of chemists to forward their prescriptions to the pricing department by the fourth day of each month. It was also intimated that the leniency hitherto given will now be withdrawn, as it is definitely decided that in future prescriptions sent in late must stand over until the others have been dealt with. The figures for the first six months of 1916 being completed, the war allowance of 0.3*d.* per prescription has been paid to chemists on the panel for that period. The final adjustment and settlement for the year will be made at a later date. Circular P.S. 35 was received, and considerable discussion took place on the subject of the supply of glycerin and syrups. Arising out of the decision of the previous meeting, a conference was held between representatives of the Insurance Committee, Pharmaceutical Committee, and Panel Committee on the subject. The Chairman (Mr. Melhuish) gave a report of the proceedings. The decision of the Sub-Committee of the Insurance Committee will no doubt be reported to the full Insurance Committee at the next meeting. It was decided to appoint a Sub-Committee to consider the question of suitable substitutes for glycerin and syrups in the London Insurance Pharmacopœia preparations, and to submit a list to the appropriate authorities. The general question of the supply of glycerin and syrups was referred to the London County Executive for their consideration. A letter was received from the Panel Committee on the question of the earlier closing of shops, stating that so far as the Panel Committee is concerned no objection would be raised to practitioners being requested to exhibit a printed notice in their surgeries in the following terms:

"Insured persons are urged to present their prescriptions to chemists as soon as possible after seeing the doctor."

After some discussion the Secretary was requested to reply to the Panel Committee asking that the proposal be put into effect forthwith, and that the notice should be headed, in large type, "Early Closing of Shops." An animated discussion took place on the system of pricing prescriptions, especially in connection with certain scripts as to the extemporaneous or non-extemporaneous fee. In this connection the Secretary was directed to send a communication to the Insurance Committee concerning the points of detail which arose in the discussion, and expressing the views of the Pharmaceutical Committee. The Secretary submitted a number of complaints against doctors, which complaints are to be dealt with in the appropriate manner. A communication from the Insurance Committee regarding the alleged refusal of chemists to dispense prescriptions was deferred.

**Sheffield.**—A meeting of the Pharmaceutical Committee was held on March 12, Mr. H. G. Williams in the chair. In regard to the question of securing a qualified chemist on the N.E. Midland Pricing Bureau, the Secretary mentioned that the Lindsey area has a pharmaceutical chemist on the Committee. A report under the new system of checking prescriptions was presented, which gave the results of the examination of six accounts. The report was considered very satisfactory. On consideration of "P.S. 35," it was decided that, while it is desirable under normal conditions to distribute certain portions of the official circulars to the members, it might, whilst present conditions prevail, be left to the discretion of the Secretary as to what to send out. A resolution was carried supporting the Pharmaceutical Society in the efforts being made to secure the dispensing of drugs, medicines, and serums by chemists in the national scheme for the treatment of venereal diseases. The Secretary reported that he had asked each pharmacist to forward particulars of any chemist or assistant classed below "A" and "B1" serving with the Colours, and not actually engaged in dispensing, but so far he has not received particulars of a single case. It was reported that an important conference has taken place between local medical men and chemists, with a view of formulating a scheme undertaking the private dispensing of medical men. The Committee endorsed the action taken, as it was a step in the right direction of securing work which chemists have been fighting for for the last fifty years. The scheme referred to is embodied in the following circular, which has been sent to local chemists by Mr. H. Antcliffe, Secretary of the Pharmaceutical Committee:

"Through the depletion of the medical service in the city, by the withdrawal of medical men for military service, the Medical War Committee has approached the Pharmaceutical Committee with a view of formulating a scheme by which the private work of the doctors who are away, and others who have taken over their work, can be undertaken by the chemists, and it is suggested that the following prices and conditions should form a basis upon which the dispensing should be paid for:

*Mixtures*.—8-oz., two-tablespoonful doses, 1*d.* per oz.; one-tablespoonful doses, 1½*d.* per oz.; for infants, 4-oz. mixtures or under, 6*d.* each.



**Liniments and Lotions.**—Simple, 1d. per oz.; special ones, British Drug Houses' list, plus 25 per cent.

**Ointments**, such as zinc and boric, 3d. per oz.; the more expensive ones, od. per oz.

**Pills**—Ordinary, 3d. per doz.; six or under, 2d. Bland's, 1d. per doz.

**Powders**—1d. each, or 8d. per doz.

**Suppositories**—Ordinary, 2d. each; special ones, British Drug Houses' list, plus 25 per cent.

**Plasters and Tablets**—As per Insurance Tariff.

All Extras where a price has not been fixed, British Drug Houses' list, plus 25 per cent.

**Dressings** to be generally paid for by the patient; but, when ordered, British Drug Houses' list, plus 25 per cent.

**Bottles** to be paid for at the Tariff rate by the patient.

It has been agreed that there shall be no 'Rep. mist.' and, so far as possible, the prescribing shall be done from the local Formulary. The payment will be made either by the doctor or, in the case of a doctor who is away on Service, by his representative (of which a list of the names will be supplied)."

The chemists to whom the circular was sent were asked to reply within a definite time.

### SCOTLAND.

**March Price-list.**—The list issued for March shows alterations in the prices of thirty drugs. Fifteen are higher and fifteen lower. The prices of two appliances have also been altered. The following are the current rates:

	oz.	dr.		oz.	dr.
	s.	d.		s.	d.
Acetanilid. ...	0	4½	Opium pulv. ...	5	3
Ac. acet. glac. ...	0	4½	Phenacetin. ...	10	6
Acid. acetylsal. ...	2	5½	Phenazon. ...	5	4½
Acid. benzoic. ...	4	0	Phenolphthalein. ...	10	9
Acid. hydrob. dil. ...	0	2	Potass. iodid. ...	1	4½
Acid. salicyl. ...	0	8	Potass. permang. ...	1	5½
Adeps lanae ...	0	4½	P. cret. ar. c. opio ...	0	9½
Cafl. cit. ...	4	0	Resorcin. ...	19	11½
Chloroform. ...	0	6	Salicin. ...	3	6
Cocain. hydroch. ...	7s.	4½d.	Salol. ...	1	8
Colloid. belladon. ...	1	2½	Sod. benz. ...	2	11
Colloid. salicyl. co. ...	0	10½	Sod. iodid. ...	2	0
Ext. casc. sag. sic. ...	0	8½	Sod. salicyl. ...	0	10
Ext. ergot. ...	0	6	Sulphonal. ...	5	4½
Ext. ergot. liq. ...	0	6	Syr. ergero. ...	0	3½
Ext. opii sic. ...	10	9	Syr. pruni virg. ...	0	2
Ext. opii liq. ...	0	7½	Tab. phenacet. co. ...	1s.	5d.
Guaiacol carb. ...	15	5	Tab. phenacetin. ...	1s.	5d.
Hexamina ...	0	6	Tinct. opii ...	0	7½
Hyd. iod. rub. ...	2	1½	Tinct. opii ammon. ...	0	7
Hyd. ox. flav. ...	1	1	Ung. gall. c. opio ...	0	7½
Iodoform. ...	2	5½	Vin. ipecac. ...	0	3
Iodum ...	1	9			
Lin. chlorof. ...	0	6			
Lin. meth. sal. co. ...	0	11½			
Lin. opii ...	0	6½			
Liq. opii sed. ...	0	9½			
B.P.C. ...	12	7½			
Malourea, B.P.C. ...	0	1½			
Ol. olive ...	0	1½			
Ol. ricini ...	0	1½			
Ol. santal. ...	5	10			

### APPLIANCES.

Bandages (weight to be calculated without paper): Domette 6 yds. long, 2½-in., 15 oz., 9½d. each; 3 in., 18 oz., 11d. each. Sal. alembroth lint, 3s. 4d. lb.; 4d. oz.

**Fifeshire.**—A new list of drugs and appliances for emergency purposes has been issued. The prices, except where otherwise stated, are to be the same as the Drug Tariff, and the amount stated in each case is the maximum supply for one calendar month. Orders must be written on the official prescription-forms, and must bear the index mark "St." We append the quantities and prices other than the Tariff:

2 doz. assorted bandages open-weave and 3 domette selected from various sizes listed on the Tariff; 1 roll medicated or unmedicated gauze; 1 lb. boracic lint; 1 lb. cotton-wool; ½ yard oiled silk or G.P. tissue; 1 spool rubber adhesive plaster, 1 in. x 10 yds. at 2s.; 4 oz. Lysof or carbolic acid; 16 oz. Rosol; 4 oz. sol. of iodine 2 per cent. in spt. vini rect.; 2 oz. ether methyl. at 5d.; 8 oz. liq. hydrog. peroxid (10 vol.); 1 tube morph. sulph. hypo. tabs. gr. ½, at 8d. (20 tabs.); 1 tube strychn. sulph. hypo. tabs. gr. ⅓, at 8d. (20 tabs.).

**Stirling.**—The Burgh Insurance Committee met on March 2, when it was stated that the Pharmaceutical Committee intimated that the Committee did not think it desirable to continue the issue of copies of the Checking Bureau Superintendent's reports. The Committee is to hear what the Panel Committee says about this.

### Note.

**UNOFFICIAL COMMISSION OF INVESTIGATION.**—The inquiry by the Faculty of Insurance into the operation, position, and prospects of National Insurance has resulted in a report which condemns many things, including "block prescribing," "stock mixtures," and "Rep. mist." prescriptions.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly; and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C., March 15, 5.30 p.m.

BUSINESS shows a slight improvement in several directions, but is of an uneven character. A Proclamation which has been issued this week prohibits the exportation to Switzerland of many drugs, chemicals, and pharmaceutical products. The chief alterations in prices include a substantial advance in Japanese Monopoly camphor, and English refiners in sympathy have raised prices 3d. per lb. These prices are now "net," and we may point out that the tendency is now to abolish discounts on chemicals and drugs and sell them on net cash terms, which much simplifies matters. Borax is also much dearer owing to increased freights and insurance. Other changes include an advance in coriander-seed, Italian orris, shellac, and Mexican sarsaparilla. B.P. copaiba is getting scarcer than ever; citric and tartaric acids and cream of tartar are firmer. Among easier products are W.I. distilled lime oil, bergamot and lemon oils, star anise oil (e.i.f.); geranium and clove are tending higher. In fine chemicals, phenacetin, phenolphthalein, and methyl salicylate are cheaper. Hexamine and formaldehyde are firmer.

Higher	Firmer	Easier	Lower
Borax and boric acid	Cinchona (auction)	Anise oil, star (e.i.f.)	Lime oil (W. I. dist.)
Camphor (Eng. ref.)	Citric acid	Bergamot oil	Methyl salicylate
Camphor (Japan Monopoly)	Clove oil	Copper sulphate	Palm oil
Coconut oil	Cream of tartar	Lemon oil	Phenacetin
Coriander-seed	Euonymus-bark	Phenolphthalein	
Cottonseed oil	Geranium oil	Resorcin	
Orris (Ital.)	Hexamine	Turpentine	
Sarsaparilla (Mex.)	Pilocarpine		
Shellac	Soya oil		
	Tannic acid		

### Cablegrams.

**BERGEN, March 8.**—The new catch of cod is small, the total being three millions, against 7,800,000 at the corresponding date of last year. The yield of oil is 6,052 barrels, against 11,063 barrels at the same period of 1916. Market is lifeless.

**NEW YORK, March 14.**—Business is quiet. Cartagena ipecacuanha is 10c. lower at \$2.10 per lb. Balsam Peru is 5c. higher at \$3.20. Senega has been reduced to 62½c., and Oregon fir balsam has been advanced to 95c. Peppermint oil in tins is steady at \$2.20, and copaiba is also steady at 70c. per lb.

ACETANILIDE is offered at 3s. per lb. on spot, and at 2s. 8d. to arrive.

ACETYL-SALICYLIC ACID.—The price is improving owing to advancing raw material, and 15s. 6d. to 16s. is now lowest for reasonable quantities.

ALBUMEN.—Prime egg on spot is quoted at 3s. 1½d. per lb. At auction 62 cases prime hen sold at from 3s. 1d. to 3s. 1½d., and 35 cases prime duck went at 2s. 10d.

ALUM.—Limited quantities from dealers are offered at from 21l. to 22l. per ton for lump.

AMMONIA SULPHATE.—Apart from the home trade demand at the Government-fixed price of 15l. 10s. per ton for 24½-per-cent., market is idle.



**ANISE OIL (STAR).**—Sales of "Red Ship" brand have been made at 3s. 1½d. c.i.f., the spot value being 3s. 5d.

**BALSAM PERU** is quoted at from 15s. 3d. to 15s. 6d. per lb. on the spot, and to arrive from New York at 14s. c.i.f.

**BELLADONNA-ROOT.**—Genuine *Atropa* is quoted at from 7s. 6d. to 8s. per lb. on the spot; and leaves at 6s. 9d. spot.

**BERGAMOT OIL** is easier at 16s. 6d. per lb. c.i.f., the spot values being from 18s. to 19s.

**BORAX.**—Owing to continued advances in freights (which are becoming increasingly difficult to arrange) and to heavy war risk insurance rates, the prices of borax have been raised 4l. per ton, and boric acid by 7l. per ton: they are now as follows: Borax, crystals or granulated, 37l.; powdered ditto, 38l. Boric acid, crystals or granulated, 62l.; powdered ditto, 64l. Borax glass, lump, is 8l. higher at 80l.; powdered ditto, 81l., in 1-cwt. tin-lined cases; XXX. preservative is 7l. 10s. dearer at 88l. per ton in about 3-cwt. casks. These prices for borax and boric acid are in bags, without engagement for not less than 5 tons on contract; all casks, etc., are charged extra. The previous advance was in June 1916.

**BROMIDES.**—Prices remain unchanged, but it will be interesting to note what effect the higher rates of war-risk insurance that have to be paid from the U.S. will have on prices. Generally speaking the rates are reasonable, and the substantially lower price of sodium, which can be had at 2s. 6d., ought to lead to an increased demand for this salt.

**CALABAR-BEANS.**—Sales have been made in Liverpool at 1s. per lb.

**CAMPHOR.**—The agents for the Japanese Monopoly intimate an advance of 15s. 6d. per cwt. for both grades of camphor on c.i.f. terms for April shipment. The quotations are now 180s. per cwt. for "B" and 190s. for "BB" grade. The previous advance was in December 1916, when 10s. was added to the price.

**CAMPHOR (REFINED).**—The English refiners have advanced their prices by 3d. per lb., and have also abolished the discount of 2½ per cent., prices now being "net cash." Quotations are: Refined bells, 3s. 4d.; flowers, 3s. 3d.; tablets, 4, 8 and 16 oz., 3s. 3d.; 1 and 2 oz., 3s. 4½d.; ½, ¼ and ⅛ oz., 3s. 5d. per lb., without engagement. Value of Japanese 2½-lb. slabs on spot is 3s. 9d. to 3s. 10d., and for ¼-oz. tablets 3s. 10d. has been paid.

**CAMPHOR OIL.**—White essential oil is very scarce and in good inquiry; value is nominal.

**CANARY-SEED** is quoted 80s. to 82s. 6d. per quarter for fair to good quality, with a quiet market.

**CANNABIS INDICA.**—The price of genuine Bombay tops was recently raised to 10s. per lb., there being only two cases in first-hands in London of this description.

**CASCARA SAGRADA.**—Spot remains at 100s. per cwt. for two-year-old.

**CASHEW-NUTS.**—A good business has been done at up to 75s. per cwt. on the spot.

**CASTOR OIL** continues firm, with Hull make of first pressing offering at 72l. per ton f.o.b. for forward delivery; good Calcutta seconds in Liverpool is firmly held at 7½d. per lb., ex store.

**CELERY-SEED.**—French near at hand offer at 95s. per cwt., and actual spot stuff is worth 100s.

**CHORAL HYDRATE** is offered at 7s. to 7s. 9d. per lb. net in bond.

**CINCHONA.**—The auction to be held at Amsterdam on March 29 will consist of 1,141 packages (672 bales and 469 cases) pharmaceutical bark, weighing 62,195 kilos. The first-hand stock at Amsterdam on March 9 consisted of 7,324 packages Government and 38,569 packages private bark, a total of 45,893 packages, including the first-hand supplies to be offered on March 28 and 29. At the London auction on Tuesday 310 packages offered, and partly sold at the rather firmer unit of 2½d. per lb. Of East Indian 198 bales offered, and 124 sold, comprising: Succirubra, fair to good stout natural stem chips, at 9d. to 9½d.; officinalis natural quilly chips, 9½d. to 10½d.; stem chips, 9d. to 9½d.; and thin quill, 1s. 2½d. to 1s. 3d.; 32 bales Java and 80 bales broken quill Calisaya were bought in.

**CITRIC ACID** is firmer at 3s. 4d. per lb. for prompt delivery. Cloves remain firm, the spot value of fair Zanzibar being 8½d., and January-March shipment 8½d. c.i.f. d.w.

**COCAINE.**—There is a large export inquiry, but in view of the scarcity and the necessary conservation of home requirements, it is likely to remain unsatisfied.

**COCA-LEAVES.**—No auction of coca will be held at Amsterdam on March 29.

**COPAIBA** is still very scarce, the value of B.P. quality being 5s. 3d. per lb.

**COPPER SULPHATE.**—Rather more business is reported, the export quotation for the usual Lanca hire makes being from 61l. to 61l. 10s. per ton f.o.b.

**COD-LIVER OIL.**—Our Bergen correspondent writes on March 5 that the new cod-fishing has hitherto given but poor results. The official report gives the following quantities up to March 5:

	1914	1915	1916	1917
Catch of cod (millions) ...	18.1	16.5	7.8	3.0
Yield of c.l.o. (hect.) ...	15,400	16,100	11,000	6,500
Liver for "raw" oils (hect.) ...	3,800	3,300	1,500	1,400

We think the prospects are for a very limited catch this year. In Lofoten, for instance, there are 2,000 boats less than last year carrying on cod-fishing. The quite unusual proportion of oil-yield this year will probably decline as the fishing takes place. There is no business on the market, and no quotation is given. On the spot (London) holders of Norwegian medicinal oil ask from 390s. to 400s. per barrel, and non-freezing Newfoundland 13s. 6d. per gal.

**CORIANDER-SEED** is scarce on the spot, and 75s. to 77s. 6d. per cwt. has been paid to execute small orders. For shipment from Morocco a fair business has been done at 64s. to 65s. per cwt., c.i.f. terms, being steady.

**CREAM OF TARTAR** is firmer at 197s. 6d. per cwt. for 98-per-cent. powder.

**CUMIN-SEED** sells slowly at 84s. to 85s. per cwt. for good sifted Morocco.

**DILL-SEED** can be bought at 37s. 6d. per cwt. on the spot.

**EPSOM SALT.**—Second-hand parcels offer from the provinces at 13l. 10s. per ton.

**EUCALYPTUS OIL** is steady with fair quantities arriving; values are from 2s. 3d. to 2s. 5d. per lb. according to cineol content, and Globulus is 2s. 6d.

**FENNEL-SEED** is quoted 40s. per cwt., but it is difficult to find any stock.

**FENUGREEK-SEED** is unchanged at 39s. per cwt. for fair Morocco.

**FORMALDEHYDE** is still very firm, but there are signs that the raw material will be more plentiful presently. The heavy demand for formaldehyde continues.

**GENTIAN** is in more inquiry, the spot value of Spanish being 70s. and French 75s. per cwt.

**GINGER.**—At auction 337 bags washed rough Cochin were offered, and 173 sold at higher prices, including partly wormy at 61s., being dearer. Of 122 bags Formosa character a few sold at 54s. for limed, and 80 bags slightly wormy limed Japanese were bought in at 50s.

**GLYCEROPHOSPHATES.**—Makers offer small lots only, quite insufficient to cover the demand; calcium is 10s. to 10s. 6d. from second-hand holders.

**GUAIACOL CARBONATE.**—We notice the arrival of five cases guaiacol carbonate and eight cases potash sulphoguaiacolate from Switzerland; they are, however, for delivery ex contract.

**HEXAMINE.**—Demand of late has been quiet, and supplies are still obtainable at from 3s. to 3s. 3d. per lb. net.

**HONEY.**—At auction in Liverpool 260 barrels Chilian ex store were offered and sold at from 85s. to 88s. per cwt.

**HYDROQUINONE.**—In view of the non-arrival of expected supplies prices still keep high at from 11s. to 11s. 6d., and at 9s. to arrive.

**KOLA.**—Small sales of West African have been made at from 4d. to 4½d. per lb. in Liverpool.

**LEMON OIL** very flat and easier at from 3s. 10d. to 4s. per lb. c.i.f., the spot values being from 4s. to 4s. 3d.

**LIME OIL.**—Fair West Indian distilled is obtainable at 8s. per lb. net, which is now a general price. Hand-pressed is quiet and unchanged.

**LINSEED** is quoted 115s. to 125s. per quarter for fair to good quality.

**LIQUORICE-ROOT.**—Natural is offered at from 55s. to 60s., and cut decorticated at 100s. per cwt. on spot.

**LITHIA CARBONATE** is offered at from 5s. 2d. to 5s. 4d. per lb. net as to quantity and seller.

**MALT EXTRACT.**—The present price of plain malt extract in bulk from the maltsters is 68s. per cwt.; ditto with 5 per cent. cod-liver oil in bulk, 75s.; with 10 per cent. c.l.o., 81s.; with 15 per cent. c.l.o., 85s.; and 20 per cent., 91s. per cwt., with the usual extras if packed in bottles or jars. The position as regards future supplies of malt extract is somewhat obscure. We understand that at present maltsters are allowed to malt barley for any other purpose than for brewers' use. The stocks of barley in this country are low, and there appears to be nothing coming in. It is, of course, apparent that if the maltsters do not get barley or are not allowed to malt it, trade must eventually come to a temporary standstill, but in view of the importance of malt extract from a medicinal point of view, it is possible that the Government will allow it to be made for that purpose, but possibly not for other purposes for which it is being used.



**METHYL SALICYLATE.**—To arrive is offered at 4s. 10d. per lb. net, and parcels on the spot command 5s.

**MILK-SUGAR** is still very firm at 185s. per cwt. for Dutch, with a serious likelihood of no further supplies. Meanwhile New Zealand make of quality quite equal to Dutch can also be had at 185s.

**OILS (ESSENTIAL).**—The following are a few current quotations for spot parcels: Foreign *Caraway*, 15s. 6d. to 15s. 9d. per lb.; *Cloves* firmer at from 5s. 10d. to 6s.; *Copaiba*, B.P., 6s. 6d.; *Cajuput*, 5s. 3d. per bottle; English distilled *Cubeb*s, 29s. per lb.; *Cassia*, 80 to 85 per cent., is 4s. 4d. to 4s. 5d. spot; African or Bourbon *Geranium*, 14s.; finest Mitcham *Lavender*, 90s.; Mont Blanc ditto, 16s.; *Spike*, French, 4s. 6d.; Spanish 2s. 9d.; *Lemongrass*, 23d. to 3d. per oz.; *Neroli*, 10s. 3d.; *Bigarade*, 9s. 3d.; Paraguayan, petitgrain, 12s.; *Pine pumilionis*, 24s.; pine sylvestris, 11s. 6d. per lb.; French *Rosemary*, 2s. 9d.; Spanish, 1s. 10d.; American *Sassafras*, 3s. 6d.; *Birch-tar*, B.P.C., 10s. per lb.; English *Juniper-berry*, 55s.; foreign, 47s. 6d.; *Wood*, 9s. 6d.; *Sandalwood*, 49s. to 49s. 6d.; genuine *Wintergreen*, 13s.; *Wormseed*, 20s. per lb.

**ORANGE-PEEL.**—Fair quantities of new crop so-called Maltese are arriving, and values are from 2s. 3d. to 2s. 9d. per lb. as to quality.

**ORRIS** is in steady demand, with the higher rates of from 78s. to 80s. per cwt. asked for Florentine sorts.

**PARALDEHYDE.**—Spot parcels are offered at about 10s. 6d. per lb., and to arrive 9s. is quoted.

**PEPPERMINT OIL** is quoted at from 11s. to 11s. 6d. per lb. net for American in tins, and at 15s. per lb. London terms for H.G.H. Stocks of tin oil are very small, and American distillers are confident that the prices will advance ere long.

**PHENACETIN.**—As the production is slowly increasing, prices are rather cheaper at from 77s. 6d. to 80s. per lb.

**PHENAZONE** is selling at 52s. 6d. per lb., which price is not considered excessive in view of the difficulty in obtaining the necessary raw materials.

**PHENOLPHTHALEIN** is rather easier at from 84s. to 85s. per lb. net.

**PILOCARPINE** is very scarce, with hydrochloride offering at 24s. to 25s., and nitrate at 22s. to 23s. per oz. in small lots.

**QUILLAIA** is firm at 42l. per ton for fair average quality ex store Liverpool.

**QUININE.**—Considerable quantities have arrived, but have rapidly been absorbed. Second-hand lots of sulphate are still selling at from 2s. 8½d. to 2s. 9d. per oz. The makers have refrained from notifying any advance in their official quotation, and while the position remains as it is speculation is to be deprecated.

**RESORCIN** still continues to sag, and can be bought to arrive at 85s. per lb. net. This may lead to a revival in the demand for this useful product.

**SACCHARIN.**—In further reference to last week's quotation the duty of 4s. 6d. per oz., or 72s. per lb., has to be added to the price.

**SALICYLATES.**—The spot price of B.P. salicylic acid is from 4s. to 4s. 2d., and sodium salicylate powder 4s. 10d. to 5s. net.

**SALOL** can be bought on the spot at 10s., and lower to come forward.

**SANDALWOOD.**—The Board of Trade give notice that as and from April 2 the general licences now in existence for the importation, *inter alia*, of sandalwood will be revoked, and that special licences must be obtained for each consignment arriving on or after that date.

**SARSAPARILLA.**—Mexican on spot is dearer at 1s. 5d. per lb.

**SQUILL** has lately been selling at full prices, including good pale at 70s. and fair at from 55s. to 60s. per cwt.

**SHELLAC.**—The spot price of TN has shown a further advance of about 8s. per cwt. on the week, usual standard Orange quality meeting with a firm trade demand at up to 191s.; value of fine orange is 260s.; in AC Garnet a good business has been done, including caky to blocky at 185s., with sellers asking 190s. Futures are also dearer, sales including March 185s. to 189s., May 189s. to 193s. to 190s. 6d., and August 196s.

**SODA HYPOSULPHITE.**—Business is being done at between 19l. and 20l. per ton for ordinary crystals.

**SODA NITRATE** remains firm, ordinary offering in Liverpool at 23s. 6d. and refined at 24s. net ex store; refined on spot is 23s.

**SPARTEINE.**—Owing to the difficulties of transit in France, sparteine is not offered.

**TAMARINDS.**—West Indian do not appear to be on offer, and the value is nominal; the value of fair Calcutta is 31s. per cwt.

**TANNIC ACID.**—*Leviss* is quoted at from 4s. 10½d. to 5s. 3d. per lb. net as to quantity and seller.

**TARTARIC ACID** is firmer at from 2s. 9½d. to 2s. 10d. per lb.

**TURPENTINE.**—American closes at 53s. per cwt. on the spot, being slightly easier.

**WAX, VEGETABLE.**—Good pale Japanese squares are available at 75s. on spot.

### Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals in the Port of London during the period March 6 to 12 inclusive. The countries specified are those from which the goods are consigned. Goods in transit are not included.

Acetic acid (Swz.) 20 cbs.; (U.S.) 532 brls.	Acetic anhydride (Swz.) 80 cbs.	Albumen, egg (Ch.) 10,447l.; egg-yolk (Ch.) 5,689l. (Jp.) 492l.	Aloes (Br. In.) 22 kgs. 42 cks. 6 cs.	Ammon. phosph. (U.S.) 106 brls.	Anise oil, star (H. Kong) 25 pkgs.	Antim. reg. (Jp.) 50 tons	Antim. ore (Chile) 170 tons, (China) 2 tons	Apricot-kern. (B.I.) 270 cwt.	Argol (Fr.) 337 bgs., (Port.) 131	Argon gas 2 cyl.	Arnica-flow. (It.) 5 bgs.	Arsenic (U.S.) 2,515 cwt.	Asthma-cure (U.S.) 9 cs.	Baking-powder (U.S.) 90 bxs.	Balsams (U.S.) 4 cs.	Barbitone (Swz.) 2 cs., (Fr.) 1 cs.	Barytes 280 bgs.	Bismuth ore (Fr.) 270l.	Camphor (Jp.) 750 cs.	Camphor oil (Jp.) 370l.	Cardamoms 21	Cascara sag. (Can.) 136 bgs.	Cashew-nuts 1,000 cwt.	Casein (Vic.) 625l., (Fr.) 1,015l.	Chemical products (Swz.) 360l., (Fr.) 6 kgs.	Chewing gum 100 cs. 67 cwt.	Chloral hyd. 380 lb.	Cinchona (Holl.) 110 cs.	Cod-liver oil (Jp.) 150 cs.	Copra 3,440 cwt.	Corrosive sub. (It.) 50 cs.	Coumarin (U.S.) 2 crts. 1 cs.	Cream of tartar (Fr.) 255 pkgs. 103 cks. 260 kgs. 60 cs., (It.) 20 kgs.	Cubeb (Holl.) 10 cs.	Dental goods (Swz.) 2,523l., (Fr.) 21l., (U.S.) 93l.	Dimethylamide oxy. (Swz.) 3 cs.	Dragon's-blood (B.I.) 60l.	Drugs, unrated (Fr.) 73l.	Eucalypt. oil (Vic.) 114 cs. 2 dms.	Farina (Jp.) 591 cwt.	Fullers' earth (Jp.) 5 tons	Gallic acid (Swz.) 4 brls.	Galyt (Fr.) 3 cs. 3 pkgs.	Gambier (S.S.) 267 cs.	Gamboge (S.S.) 14 cs.	Gelatin (Fr.) 149l.	Gentian (Sp.) 10 bls., (It.) 14 bgs.	Glucose (U.S.) 5,824 cwt.	Grape-juice (Port.) 50 cs.	Ground-nuts (B.I.) 18,975 cwt., (Jv.) 240 cwt.	Gums: acacia (Fr.) 86 cwt., (B.I.) 200 cwt., (It.) 20 cwt.; anini (Zan.) 35 cwt.; copal (Port.) 89 cwt.; damar (S.S.) 593	cwt.; grass-tree (N.S.W.) 146 cwt.; kanri (N.Z.) 150 cwt.; olibanum (B.I.) 200 cwt.; tragacanth (Pers.) 476 cwt., (B.I.) 61 cwt.	Hchotropin (U.S.) 2 cs.	Hemlock-seed (It.) 11 pkgs.	Herbs (U.S.) 80 bls.	Honey (U.S.) 1,013 cwt., (Cuba) 303 cwt., (N.Z.) 197 cwt.	Hyssop (Fr.) 13 cs.	Iceland moss (It.) 26 bls.	Indigo (Nicar.) 9 bls., (B.I.) 206 chts.	Insect-flowers (Jp.) 15 bls., (It.) 53 bgs.	Insect-powd. (Fr.) 35 bgs.	Juniper-berr. (It.) 406 bgs.	Juniper-wood oil (Fr.) 2 cks.	Kelphadol pow. (U.S.) 1 cs.	Lavender-flow. (It.) 15 bls.	Lemon-juice (It.) 11,460 gal.	Lime-flowers (It.) 7 bls.	Liquorice-ju. (It.) 280 cs.	Liquorice-root (It.) 100 bgs.	Lithol (Swz.) 7 cs.	Medicinal tabs. (U.S.) 208l.	Menthol (Jp.) 140 cs.	Methylene blue (Swz.) 1 cs.	Milk powder 1,561 cwt., (U.S.) 2,030 cwt.	Milk sugar (N.Z.) 360 cs.	Mineral white (Fr.) 237l.	Oils, essential, natural (It.) 4 pkgs. 200 cs. 14 x ½ cs., (Fr.) 71 cs., (Holl.) 1 cs., (Sp.) 3 drms., (B. In.) 5 cs., (Cey.) 6 dms. 2 cs., (Jp.) 219 cs., (Jv.) 2 dms., (U.S.) 69 cs.	Oils, fixed: coconut, unref. (S.S.) 750 cs., (Cey.) 7 hds. 28 pkgs. 39 pns. 99 pps., (B.I.) 513 pps. 37 hds. 99 pkgs. 68 cks.; re-fined (Fr.) 40 cs.; cod (Jp.) 250 cs.; fish (Jp.) 3,000 cs.; herring (Jp.) 1,000 cs.; illipe 30 cs.; olive, refined (Fr.) 2,317 gal., (It.) 3 tuns 539 gal., (Sp.) 126 gal. 25 tuns, (U.S.) 7 tuns; soya (Jp.) 1,800 cs.; sperm (Natal) 250 dms.; turpentine 200 brls.; wood (Jp.) 960l.	Ointment (U.S.) 198l.	Opium (Pers.) 63 cs.	Orange-peel (It.) 16 cs., (Egy.) 17 cs.	Orris (It.) 99 bgs. 4 pkgs. 27 bls., (Mor.) 4	Palm-kernels (S. Nig.) 50,679 cwt.	Perfumery, unrated (U.S.) 1,070l., (Holl.) 40l., (Fr.) 579l., (Swz.) 300l.; toilet-powder (U.S.) 246l., (Fr.) 162l.	Phenacetin (U.S.) 10 cs.	Pot. bromide gran. (U.S.) 20 cs.	Pot. carb. (B.I.) 1 drim. 3 cs., (Can.) 6 brls.	Pot. iodide (Jp.) 55 cs.	Pot. persulph. (Swz.) 4 cs. 12 cks.	Pot. pruss. red (Jp.) 3 cs.	Pot. sulphoguaiaacolate (Swz.) 1 cs.	Pyrogall. ac. (Swz.) 3 kgs.	Quinine (Holl.) 90,750 oz.	Rhatany-root (Peru) 8 bls.	Rice starch (Fr.) 698 cwt.	Roots, dried (Fr.) 6 bls.; leaves, dried (Sp.) 22l.	Rosin (Port.) 126 cks.	Salicylic acid (U.S.) 36 brls.	Salol (U.S.) 20 kgs.	Saltpetre (B.I.) 7,000 cwt., (Fr.) 910 cwt.	Sandalwood (B.I.) 5 tons	Santal Midy (Fr.) 16l.	Scopolia-root (Jp.) 90 bgs.	Seedlac (B.I.) 220 cwt.	Seeds: canary (Sp.) 300 bgs., (Gib.) 24, (Mor.) 55; coriander (Mor.) 20 bgs.; cotton 27,690 bgs. 195 tons; cumin (Mor.) 355 bgs.; fenugreek (Mor.) 41 bgs.; killedseed (Jp.) 336; linseed (B.I.) 141 bgs., (Ch.) 496, (Jp.) 2,632 bgs.; millet (Jp.) 840 bgs.; poppy 696 bgs.	Senna (Egy.) 45 bls.	Soap, household (Fr.) 542l.	Soda benzoate (Swz.) 10 cks.	Soda sulphate anhyd. (Fr.) 40 cwt.	Soy (H.K.) 99 cks.	Spices: cinnamon (Cey.) 400 bls.; cloves (Zan.) 250 cs.; ginger (Jp.) 10 bgs.; mace 5 cs.; nutmegs (S.S.) 379 bgs. 100 bxs. 50 cs.; pepper (S.S.) 2,766 bgs., (Jp.) 510, (Nyasa.) 31 bgs.	Spirit perf. 218 gal.	Sponge (U.S.) 62 bls.	Stramonium (It.) 32 bls.	Talc (It.) 140l.	Tartaric acid (It.) 52 cks. 384 brls. 8 pkgs., (Fr.) 4 cks.	Thyme-leaves (Fr.) 3 bls.	Vacuum flasks (Jp.) 554l., (U.S.) 1,105l.	Vanilla (U.S.) 40 cs.	Vanillin (U.S.) 2 crts.	Wax, bees' (Zan.) 22 bgs., (Port.) 3 pkgs. 12 bgs., (B.I.) 80 cs., (It.) 55 pkgs., (Fr.) 12 bgs., (Mor.) 106 bgs. 7 pkgs., (Sp.) 22 bgs., (Gib.) 16, (Natal) 250 bgs., (Port. E. Af.) 22 bgs. 6 pkgs.	Wax, paraffin (U.S.) 4,568 cwt.	Wax, veget. (Jp.) 100 cs.	Cancelled entries: Jan. 11, gamboge (Siam) 16 cs.; Feb. 2, pepper (S.S.) 168 bgs.
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Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Returning Empties.

SIR,—I see two gentlemen have replied to my letter *re* empties, and from their letters we can see the view from the director of a large concern to the other end of the scale, the chemist who buys in  $\frac{1}{4}$  lb. and  $\frac{1}{2}$  lb. Mr. Lescher tells us that the Ministry of Munitions made arrangements with the railway companies to give preferential treatment to drug empties. I am afraid up in the North of England the treatment has not been very effective. As a matter of fact, a pint of beer to the carter has far more effect than half-a-dozen letters to the railway company, and even then cases are known where empties have been collected and kept two or three weeks and then brought back. If "S. R. C." can get all he wants in paper and dispensing-bottles he never will have cause to grumble, but I think the man who buys in Winchester would stare if he received twelve 8-oz. bottles of tr. opii instead of one Winchester. This matter of empties should not be dropped, and I think if a few influential men like Mr. Lescher took the matter up with the railway companies, or, better still, agreed to collect each other's empties, the trouble could easily be removed.

Prestwich.

C. BROWN.

#### Registration of Business Names Act.

SIR,—Does not your article headed "The Widow's Clause" on p. 81 of the *C. & D.*, March 10, go rather too far as printed? The Act says that "every individual . . . carrying on business under a business name which does not consist of his true surname without any addition other than his true Christian names or the initials thereof shall be registered." Therefore, if Mary Smith carries on a pharmacy as executrix of John Smith under the style of "John Smith" she must register, and so long as she uses the style "John Smith," with or without any other words, she is within the provision above quoted subject to the proviso (1) to Section 1. That proviso reads: "Where the addition merely indicates that the business is carried on in succession to a former owner of the business, that addition shall not of itself render registration necessary," but the word "addition" refers to the addition to the surname of the person carrying on the business where previously quoted. Therefore the examples you give towards the close of the article would not be within the proviso, because they are additions to the surname of the former proprietor of the business which, though it happens to be also the surname of the person carrying on the business, is appropriated to the late owner by reason of the use of his Christian name. It would apparently be necessary to use such a style as "Mary Smith, Successor to John Smith" in order to be relieved from registration.—Yours truly,

21 Lime Street, E.C.

NEVE, BECK & KIRBY.

[These are interesting observations, the effect of which is practically to ensure that the name of the person carrying on a deceased chemist's business must be used in connection with it, otherwise he or she must be registered under the Act. We indicated the Pharmacy Act difficulties in regard to the businesses of deceased chemists, which the executors may continue, with a registered chemist and druggist as manager; and we said that Section 1 (i) of the Registration Act enables such businesses to be continued without registration and with such a name as John Smith's Executors; but it is clear that this can only be done if the living conductor or conductors of the business register under the Act.—EDITOR *C. & D.*]

#### The Cocaine Muddle.

SIR,—The history of this matter indicates that some highly placed amateur has had a finger in the pie. It is interesting to recall the origin of the cocaine regulations. It was found that a certain class of women had become acquainted with the properties of cocaine which they were using for infamous purposes, especially among Colonial soldiers, and regulations were promptly issued to put a stop to the sale of cocaine. This was entirely reasonable and commendable, so long as powdered cocaine and cocaine-tablets, which alone could be used for this purpose, were being prohibited. This was not enough, however, for our "amateur casual" whoever he was, for he must forthwith condemn every preparation of coca in any shape or form that contained more than 1 part of cocaine in 1,000. What

happened was that no pharmacist could sell a cocaine-solution, a suppository, an ointment, a pastille, a coca-wine, or, indeed, any coca preparation, unless it contained less than 0.1 per cent. of cocaine, without a doctor's prescription, and without filling up an elaborate registration form for every sale. I have not the least doubt that the details of this ridiculous scheme were the work of an amateur. Then we saw the system of permits introduced, under which certain classes of honourable traders, such as sundries houses and dental supply firms, were prohibited from selling cocaine in any form, for they were refused permits to purchase, and ten thousand or more operative dentists were prevented using cocaine while hundreds of men no better qualified were allowed to use it, simply because they had had the luck to get their names placed on the dental register. The whole scheme was childish in the extreme, but the most childish part of it was that due to the man who dragged in liquid preparations of coca and cocaine without the slightest rhyme or reason. I think we shall see some relaxation of the regulations now, and I hope also that there will be some alteration in the absurd requirements as to the registration of sales. Some such effort as this on the part of our "officials" would do more to commend the Pharmaceutical Society to the good opinion of pharmacists than the trumpet-blowing which is so persistent and so very shrill in some quarters.

Yours,

ONE OF THE CROWD. (238/16.)

### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### Another Plaster Story.

The *C. & D.* note from Glasgow on February 24, touching the confusion of a rubber counter cash-mat, with a belladonna plaster, has been followed by an amusing incident in the central area. An Irishman returned a plaster to which he said he had applied "hate" (heat), but it would not stick. He had baked the plaster in an oven! He sought the refunding of his money or a bottle of "animated" quinine.—*P. E. T.* (235/20).

#### N. T. C. Mixture.

Referring to the inquiry in the *C. & D.*, February 3, p. 51, for "N. T. C. Mixture given in cases of typhus," *F. W. Salmon & Son*, Hove, suggest that this may refer to the N. C. I. powder which is employed for destroying body-vermin—the agency by which typhus is spread. The formula which was originally given in the "British Medical Journal," and quoted in the *C. & D.*, June 10, 1916, p. 46, is as follows:

Naphthaline	...	...	...	96 parts
Creosote	...	...	...	2 parts
Iodoform	...	...	...	2 parts

The powder must not be used too freely, particularly at the fork, as severe smarting may be caused.

### Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

*Muc. Acac.* (240/45).—It is not necessary for a limited company to register under the Registration of Business Names Act.

*B. E. S.* (239/26).—It will be necessary for you to register as an individual in respect to the business which you carry on as a company.

*Lysol* (239/36).—As you are carrying on business under your true surname it is not necessary for you to register under the Registration of Business Names Act.

*Beno* (239/40).—As you are trading under your own surname and Christian name, it is not necessary for you to register under the Registration of Business Names Act.

*Simon* (235/53).—Such cases as you specify are not uncommon, and action under the Pharmacy Act does not arise, as there is no evidence of infringement by those in the position of B.

*E. J. H.* (240/18).—Your handbill will conform with the Registration of Business Names Act. We presume that you have registered under that Act, as will be necessary on account of your company name, as well as the addition to your own name on your letter-paper.



*Tyne* (237/70).—It will be necessary for you to register if you continue to trade as "Blank's Drug Store"; then your real name has to appear upon your business letters, trade catalogues, trade circulars, and showcards, but it is not necessary for it to appear upon labels and newspaper advertisements.

*Lanco* (241/36).—It is apparent from your label that at four addresses you trade as the "Blank Cash Drug Stores," and it is advisable therefore that as an individual you should register. Labels are not included in Section 18 of the Act, and it will not be necessary for you to put your true name upon the labels.

*J. H. W.* (235/72).—If the business is continued under the old name without alteration you should register, for it appears from your statement that you are the owner, or act as such. See also replies to "M. P. S." queries. Registration costs you 5s. Alteration from the old style to the new may cost you several pounds for painters' and printers' work.

*Sodii Bicarb.* (238/63).—(1) Private limited companies do not require to register under the Registration of Business Names Act unless they are partners in a business that requires to be registered. (2) We are not aware of any law preventing the posting of the articles to Canada unless they are accompanied by printed matter of an objectionable nature.

*Parnell* (239/43) adopted a second Christian name over thirty years ago, and is trading under a style which consists of his original Christian name, the initial of his assumed Christian name, and his surname. Must he be registered under the Registration of Business Names Act, 1916? ["Parnell" need not register if he is a natural-born British subject and started the use of his second Christian name before he was eighteen years of age; otherwise he must.]

*Blank* (241/48) is carrying on business at premises upon the fascia of which appear the words "Blank's Pharmacy and Drug Stores." These words are also printed upon his labels. For purposes of signature, however, he invariably uses his own full name, and it is under that style that he appears in the Post Office Directory. Is he required to register under the Act? ["Blank" does not state what name is printed upon his letter-paper and other business stationery, but it is incontestable, in our opinion, that he is carrying on business to some extent under the style of "Blank's Pharmacy and Drug Stores," and in that case he must be registered.]

*Kent* (239/28) has been advised to register under the Registration of Business Names Act. The reason given is not stated, but it is probably because he uses business letter-paper and account forms on which his name appears thus:

A. JONES, M.P.S.

On other printed matter a description of his pharmacy also appears. [The first point in this query covers the same ground as is dealt with in the reply to "Camwal," but the specimens of labels submitted show that the letters "M.P.S." are not added to the business name in the majority of cases, and if it is desired to continue use of the name with this addition, it will be safer to register under the Act. This is the view that seems to prevail at present, although in cases where the additional letters are not always used there is doubt, and it is felt that a High Court decision may be necessary to decide in such cases as this, and in the case of "Dr. John Jones" and "John Jones, L.R.C.P.," that the "additions" are outside Section 1.]

*Rhodium* (241/49).—If John Jones acquires James Smith's business and continues it as "James Smith (now John Jones)" he need not, I take it, register under the Registration of Business Names Act, in view of Section 1 (1) of the Act? [No.] In such a case, where the name "James Smith" appears still on fascia, labels, and handbills, is an alteration and the substitution of "James Smith (now John Jones)" in place of "James Smith" necessary, or if letter-paper and billheads are altered would that meet the case? [This is one of the points which experience and the law courts may have to settle. Our opinion is that if a man trades at an address under a business name which does not include his true name he would be wise to register under the Act, then he need not change his fascia; but his true name must be given on his letter-paper, billheads, and handbills (which you mention) along with the business name. Section 22 of the Act states that "'Business name' shall mean the name or style under which any business is carried on, whether in partnership or otherwise." Evidence must decide the matter in some cases, but the

safe course in all cases where a man uses another business name than his own, as well as his own in some cases, is for him to register. It costs 5s.]

*Camwal* (238/55) trades in his own name and upon his letter-paper adds to it the letters "M.P.S." on the same line as his name. He also carries on a subsidiary business under his own name with the addition of the words "& Son." In the latter case, will the necessity of registering be avoided if the names of the two partners are disclosed upon the business stationery? [Section 1 (b) of the Act is perfectly clear that "every individual . . . carrying on business under a business name which does not consist of his true surname without any addition other than his true Christian name or the initials thereof . . . shall be registered in the manner directed by this Act." The official view is that a person trading as, say, "John Jones, M.P.S.," should register under the Act, otherwise he may be proceeded against by any person, and in the event of conviction the fine is up to 5*l.* for every day of default. There is, of course, no reason why the letters should not be used, just as in this case our subscriber uses "dispensing and family chemist" distinct from his name. As regards the other business, registration is necessary by reason of the presence of the words "& Son" in the trade name. After March 22 the names of the partners must be mentioned upon all trade catalogues, trade circulars, showcards, and business letters which bear the firm name.]

### Miscellaneous Inquiries.

*M. P. S. I.* (233/9).—We advise you to read the article on RINGWORM in "Diseases and Remedies."

*Carauk* (235/56).—Sodium nitrate is as efficient as potassium nitrate for the preservation of beef.

*Agra* (234/53).—MENTHOL CONES.—See the illustrated article on the subject in the *C. & D. Diary*, 1917, p. 208.

*Unquatum* (234/17).—VETERINARY OINTMENT for cows' udders and for sore teats.—This is veterinary vaselino with a small proportion of oil of turpentine.

*F. N. C.* (239/44).—SPANISH EARTH used for clearing potable spirits is, we take it, the pure variety of prepared chalk, which goes usually under the name of Spanish white. Both prepared chalk and kaolin are suitable for the purpose required.

*W. A. R.* (235/65).—THE COLOUR OF CRUDE GLYCERIN is due to organic impurities derived from the fats employed (albuminous and resinous matters), which are darkened by the alkalies used in the extraction processes or charred by the heat to which the "sweet water" has been subjected at different stages of manufacture.

*Hepatic* (230/58).—STOMACH AND LIVER PILLS.—The formula for which you ask is as follows:

Res. podoph. . . . .	... gr. ij.
Pulv. ipecac. . . . .	... gr. vj.
Ext. gentiana. . . . .	... gr. xxxvj.

Misce fiat pil. xij.

*Wool* (230/2).—WOOLBALLS IN LAMBS are due to the animal taking in the wool while feeding, and it agglomerates in the stomach, causing loss of appetite, dulness, giddiness, excitement, difficulty of movement, and death. Prevention is better than cure, and this means that wool must not be allowed to be about on the pasture. There is no certain medicinal cure. Oil, anodynes, dilute nitromuriatic acid, and enemas may be given, but they are of little avail if the ball be of fair size. For an article on the symptoms, prevention, and treatment, see *C. & D.*, March 8, 1913, p. 123.

### Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," March 15, 1867.

British Pharmacopœia, 1867.

A proof copy of the new British Pharmacopœia has been sent to each member of the General Medical Council, and before our next number is published the work will doubtless be in the hands of many of our readers. The contents are well arranged, and comprise a great amount of valuable formulae omitted in the imperfect Pharmacopœia of 1864. We hope to describe the leading features of the new work in our next number, and will now merely lay before our readers a table of the additions and alterations which Professor Redwood and Mr. Warington have made.



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### Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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## Bleaching Powder. Carbonate of Ammonia (Lump and Powder).

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Acid Citric, U.S.P.	Beta-Naphthalene Benzoate
Acid Oxalic, Crystals	Potassium Permanganate, Large Crystals, U.S.P.
Acid Salicylic, U.S.P.	Potassium Bromide, Gran., U.S.P.
Acid Tartaric, Gran. and Powder, U.S.P.	Potassium Cyanide
Adeps Lanae Anhydrous, U.S.P.	Potassium Guaiacol, Sulphate
Adeps Lanae Hydrous, U.S.P.	Potassium Iodide, Gran. or Cryst.
Benzaldehyde, F.F.C.	Quinine Sulphate, U.S.P.
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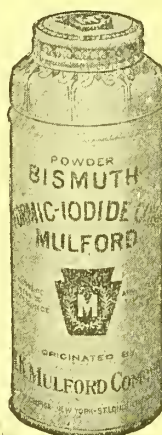
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- Potass. Brom.**, P.B., 7 lbs. @ 6/6 lb.
- Potass. Chlor.**, Pulv., 7 lbs. @ 3/4 lb.
- Potass. Cit.**, B.P., 7 lbs. @ 4/8 lb.
- Potass. Cyanidum**, 98%, 7 lbs. @ 3/9 lb.
- Potass. Iod.**, P.B., 14 lbs. @ 12/10 lb.; 3 lbs. @ 13/3 lb.
- Potass. Metabisulph.**, 7 lbs. @ 3/3 lb.
- Potass. Permang.**, Cryst., 2 lbs. @ 14/- lb.
- Potass. Prussias Flav.**, 7 lbs. @ 5/6 lb.
- Pulv. Caeta Arom.**, P.B., 14 lbs. @ 1/2 lb.; c. Oplo, B.P., 7 lbs. @ 3/- lb.
- Pulv. Glycyrrh. Co.**, B.P. (Green), English Ground, 56 lbs. @ 105/- cwt.
- Pulv. Ipecac. Comp.**, P.B., 1 lb. @ 7/- lb.
- " Jalap Comp.**, P.B., 1 lb. @ 2/4 lb.
- " Rhei Comp.**, P.B., 1 lb. @ 2/- lb.
- Quassia Chips**, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d. lb.
- Quinine Bisulph.**, 10 oz. @ 4/3 oz.
- Quinine Ethyl Carb.** (Tasteless), 10 oz. @ os.
- Quinine Hydrobromas**, B.P., 25 oz. @ 3/11 oz.; 10 oz. @ 4/- oz.
- Quinine Hydrochlor.**, B.P., 25 oz. @ 3/9 oz.; 10 oz. @ 3/10 oz.
- Quinine Sulph.**, B.P., 100 oz. @ 3/1 oz.; 25 oz. @ 3/3 oz.; 10 oz. @ 3/6 oz.
- Rad. Gentian**, English Ground, 1 cwt. @ 118/- cwt.; 7 lbs. @ 1/2 lb.
- Rad. Glycyrrh.**, English Ground, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
- Rad. Ipecac. Rio.**, 1 lb. @ 12/-
- Rad. Jalap**, English Ground, 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/5 lb.
- Rad. Rhei**, E.L., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
- Rad. Rhei**, E.L. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
- Resorcin**, B.P., 1 lb. @ lb.
- Saccharine**, 7 lbs. @ lb.; 550 or 500, 1 lb. @ lb.
- Sacchar. Ust.**, 1 cwt. @ 65/6 cwt.; 10 lbs. @ 8½ lb.
- Saffron**, Valencia, B.P., 7 lbs. @ 43/- lb.; 1 lb. @ 45/- lb.; 1 oz. @ 3/- oz.
- Sal. Acetos.**, 7 lbs. @ 2/10 lb.
- Salicinum**, B.P., 1 lb. @ 28/- lb.
- Salol**, B.P., 1 lb. @ 12/6 lb.
- Saug. Draconis**, pulv., English ground, 7 lbs. @ 3/- lb.
- Santoninum**, P.B., 16 oz. @ 160/- lb.]
- Sapo Cast. Alb.**, 2 cwt. @ 55/- cwt.; 7 lbs. @ 7½ lb.; pulv., 1 cwt. @ 112/6 cwt.; 56 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.; Animal pulv., 1 cwt. @ 95/- cwt.; 56 lbs. @ 100/- cwt.; 7 lbs. @ 1/- lb.
- Scammony Resin**, Pulv., B.P., 7 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
- Shellac (Orange)**, 1½ cwt. @ 190/- cwt.; 7 lbs. @ 1/10 lb.
- Soda Caustica**, 6 1-lb. bots. @ 5/3 lb.
- Soda Cit.**, B.P., 3 lbs. @ 3/6 lb.
- Soda Sulphite**, Recryst., 1 cwt. @ 35/- cwt.; 7 lbs. @ 4½ lb.
- Soda Sulphocarbolas**, B.P., 7 lbs. @ 3/9 lb.; 1 lb. @ 4/1 lb.
- Sodii Bromid.**, P.B., 7 lbs. @ 4/1 lb.
- Soda Hyposulphite**, pea cryst., 1 cwt. @ 24/6 cwt.
- Soda Hypophosph.**, 7 lbs. @ 4/-; 1 lb. @ 4/3.
- Sodii Salicyl. Pulv.**, 2 lbs. @ 1/10 lb.
- Spt. Aether Nit.**, P.B., 4½ lbs. @ 4/9 lb.; 1 lb. @ 5/2 lb.
- " Ammon. Aromat.**, P.B., 5 lbs. @ 4/- lb.
- " Chloroform**, P.B., 5 lbs. @ 4/8 lb.
- Stroutie Bromid.**, 1 lb. @ 7/6 lb.
- Styracina Cryst.**, B.P. 4 oz. @ 3/10 oz.; Hydroch. and Sulphate, 2d. os. less.
- Sugar of Milk**, P.B., 1 cwt. @ 190/- cwt.; 7 lbs. @ 1/10½ lb.
- Sulphonal**, P.B., 1 lb. @ 37/- lb.
- Syr. Aurant.**, P.B., 7 lbs. @ 1/1 lb.
- " Baston**, B.P., 7 lbs. @ 1/3½ lb.
- " Ferri Iodid.**, P.B., 7 lbs. @ 1/7½ lb.
- " Ferri Phosph.**, Co., 7 lbs. @ 8d. lb.
- " Hypophosph.**, Co. B.P.C., 7 lbs. @ 1/1½ lb.
- " Prun. Virg.**, B.P., 7 lbs. @ 10d. lb.
- " Rhamni**, 7 lbs. @ 1/1 lb.
- " Rhei**, P.B., 7 lbs. @ 11d. lb.
- " Scilla**, P.B., 7 lbs. @ 7½ lb.
- " Senna**, P.B., 7 lbs. @ 1/- lb.
- " Tolut**, P.B., 7 lbs. @ 10½ lb.
- Thymol**, 1 lb. @ 38/6 lb.
- Tinct. Aurantii Recens.**, B.P., 5 lbs. @ 4/8 lb.; Aqueos, 11d. lb.
- " Tinct. Belladon.**, B.P., 5 lbs. @ 5/1 lb.; Aqueos, 1/10 lb.
- " Tinct. Benzoin Comp.**, P.B., 5 lbs. @ 5/1 lb.
- " Tinct. Camph. Comp.**, P.B., 5 lbs. @ 3/3 lb.; Aqueos, 1/3 lb.
- " Tinct. Cantharidis**, P.B., 5 lbs. @ 5/1 lb.
- " Tinct. Capsid.**, B.P., 5 lbs. @ 3/5 lb.; Aqueos, 1/- lb.
- " Tinct. Card. Comp.**, P.B., 5 lbs. @ 2/9½ lb.; Aqueos, 1/1 lb.
- " Tinct. Catechu**, P.B., 5 lbs. @ 3/1½ lb.; Aqueos, 1/1 lb.
- " Tinct. Chlorof. a. Morph.**, P.B., 1885, 5 lbs. @ 2/9 lb.
- " Tinct. Cinchon. Comp.**, B.P., 5 lbs. @ 3/10 lb.; Aqueos, 1/3 lb.
- " Tinct. Cinchoa. Rub.**, P.B., 5 lbs. @ 3/9 lb.; Aqueos, 1/3 lb.
- " Tinct. Digitalis**, B.P., 5 lbs. @ 4/2 lb.; Aqueos, 1/3 lb.
- " Tinct. Gelsem.**, P.B., 5 lbs. @ 3/7 lb.; Aqueos, 1/4 lb.
- " Tinct. Gentiana Comp.**, B.P., 5 lbs. @ 2/7 lb.; Aqueos, 1/1 lb.
- " Tinct. Hyoscyam.**, B.P., 5 lbs. @ 4/7 lb.; Aqueos, 1/10 lb.
- " Tinct. Iod.**, B.P., 5 lbs. @ 5/9 lb.; Forst. @ 7/3 lb.; decolor., 5 lbs. @ 5/10 lb.
- " Tinct. Lavandula Comp.**, B.P., 5 lbs. @ 5/- lb.; Aqueos, 1/1 lb.
- " Tinct. Myrrha**, B.P., 5 lbs. @ 4/10 lb.
- " Tinct. Nucis Vom.**, B.P., 5 lbs. @ 3/10 lb.; Aqueos, 1/4 lb.
- " Tinct. Opil.**, B.P., 5 lbs. @ 6/7 lb.
- " Tinct. Opil. Aqueos**, 5 lbs. @ 5/- lb.
- " Tinct. Quinina Amm.**, B.P., 5 lbs. @ 3/6 lb.
- " Tinct. Rhei Co.**, B.P., 5 lbs. @ 2/7 lb.; Aqueos, 1/1 lb.
- " Tinct. Scilla**, B.P., 5 lbs. @ 3/1 lb.; Aqueos, 11d. lb.
- " Tinct. Seuega**, P.B., 5 lbs. @ 3/10 lb.; Aqueos, 1/6½ lb.
- " Tinct. Strophanth.**, P.B., 5 lbs. @ 4/8 lb.
- " Tinct. Valeriana**, 5 lbs. @ 3/7 lb.; Aqueos, 1/2 lb.
- " Tinct. Valeriana Ammon.**, P.B., 5 lbs. @ 4/- lb.; Aqueos, 1/4 lb.
- " Tinct. Zingib.**, P.B., 5 lbs. @ 5/1 lb.
- " Tinct. Zingib. Forstosa**, 5 lbs. @ 5/7 lb.
- Ureacle (Black)**, 24 lbs. @ lb.
- Turpentine (Best American)**, 1 gal. tins @ 6/3 each; Venice, Genuine, 9 lbs. @ 2/9 lb.
- Ung. Acid. Boric.**, P.B., 28 lbs. @ 10d. lb.; Flav., 28 lbs. @ 7d. lb.
- " Acid. Carbolic**, B.P., 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/4 lb.; 1 lb. @ 1/7 lb.
- " Galla**, P.B., 7 lbs. @ 1/8 lb.; 1 lb. @ 1/11 lb.; c. Oplo, 7 lbs. @ 5/3 lb.
- " Hydragryll.**, B.P., 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.
- " Hydragr. Ammon.**, B.P., 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/9 lb.
- " Hyd. Nit. Dil.**, 7 lbs. @ 1/10 lb.
- " Paraff. Alb.**, P.B., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; Flav. 28 lbs. @ 7½ lb.; 7 lbs. @ 9d. lb.
- " Resina**, P.B., 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6 lb.
- " Sulphuris**, B.P., 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.
- " Zinc Oxid. Bens.**, B.P., 28 lbs. @ 1/6 lb.
- Wax**, Japan, 2 cwt. @ 82/6 cwt.; 7 lbs. @ 10d. lb.
- Zinc Oleat. Powdes**, B.P.C., 7 lbs. @ 3/- lb.
- Zinc Oxid.**, 1 cwt. @ 95/- cwt.; 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.
- " Sulph.**, pure, 1 cwt. @ 50/- cwt.; 28 lbs. @ 6½ lb.
- " Sulphocarbolas**, B.P., 7 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only terms Net Cash with Order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

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PACKED IN  
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**A PERSONAL  
RECOMMENDATION**  
THYMOL-TOOTH PASTE

TWO ARTICLES IN  
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OUR OWN DESIGN

IT IS A SUPERIOR PRODUCT  
AND WE HAVE NO HESITATION  
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PER  
TUBE **7 1/2**

SPECIMEN SHOWCARD GIVEN FREE

**HALL FORSTER & CO., LTD.**  
Manufacturing Chemists  
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**Theobromine**  
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**Theobromine**  
**Sodio-Salicylate**

(chemically the same as Diuretine).

**Tuberculine** (prescription Denys,  
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KATWIJK-AAN-ZEE, HOLLAND.

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**WHOLESALE PRICES.**

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1s. 3d. size	...	...	...	...	...	10s. 6d. per doz. net.
3s. 0d. "	...	...	...	...	...	26s. 6d. " "
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contains double the quantity of 3/- box.						

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3s. 0d. "	...	...	...	...	...	26s. 6d. " "

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1s. 0d. size	...	...	...	...	...	7s. 6d. per doz. net.
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Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

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**TERMS : CASH WITH ORDER.**

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Made of fine Ceylon Rubber. Cured  
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Warranted to withstand  
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### IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

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		2 cc. ...	5/- " "		
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ALL SYRINGES RETURNED SAME DAY AS RECEIVED.

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**THE LEICESTER "VARICO" LEG BANDAGE.**

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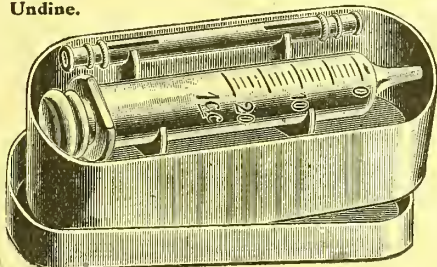
In view of the prohibition on Glass Bottles we can surely be of use to you with our large stocks. **BUY FROM STOCK.** Bear in mind we are a **BRITISH** firm of over fifty years' reputation, not a naturalised foreign firm. Send for List of what we have in Stock.



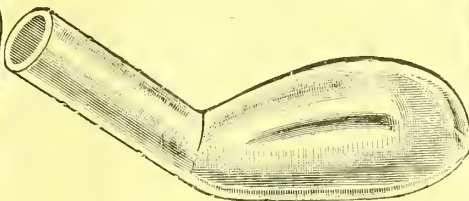
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Hypodermic Syringe, 1, 2, 5, 10 cc.



Surgical Glasses.

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In various Colours with  
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A splendid Advt. used  
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Limes, Kalis, Mexicans, Emulsions, Cannons, Ovals, Panels, Vials (boxed and loose in two qualities), Brills, Pomades, Tablet Bottles, Screw Jars, Sweet Jars, Syringes (Male and Female, etc. etc.), Glass Unions, Perfume Bottles, Test Tubes, Ampoules, Weighing Bottles, Aspirators, Douche Linings, Retorts, Specific Gravity Bottles.

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marked Antiseptic  
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Agreeably perfumed.  
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Assists the complexion.  
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PATENT FOUR-PLY GAUZE.  
SANITARY TOWELS.**

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BRITISH OWNED.**

**WHOLESALE ONLY. Write for Samples and Prices.**



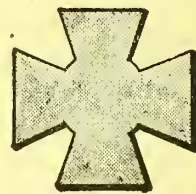
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A FINE SELECTED FIBRE COTTON,  
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SEABURY'S 'GOLD CROSS' BRAND ABSORBENT COTTON is issued as a dependable dressing for modern surgical requirements. It differs from the ordinary varieties of cotton wool in that it is composed exclusively of long-fibre cotton, and quite free from short-fibre and cotton-waste. Long-fibre, essential for surgical purposes, ensures thorough *drainage* of the wound surface.

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NET WEIGHT of Cotton exclusive of packing.

1 lb.	8 ozs.	4 ozs.	2 ozs.	1 oz.
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# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MARCH 17, 1917.

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemists Cannon London." (Three words counted as two.)

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EVERY WEEK!**

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only bona-fide paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

**THE PUBLICITY IT PAYS TO PAY FOR.**

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

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May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—RICHMOND, SURREY (Near).—Very old established Business; held by vendor many years, now retiring; returns about £870; profits above the average; first reasonable offer will be accepted.
- 2.—WEST END.—For immediate Disposal, high-class Dispensing and Retail Business; returns about £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.
- 3.—HERTS. (Borders of).—Ready-money Business; held by vendor many years; returns over £30 per week; good position in main thoroughfare; comfortable residence, with garden; rent moderate; price about £500; vendor invites the fullest investigation.
- 4.—PORTLAND ROAD STATION (Within Easy Distance of).—For Disposal through death, good middle-class Business; Retail and Dispensing; excellent position in main thoroughfare; returns about £1,000; scope for considerable extension under energetic management; valuation terms entertained.
- 5.—LONDON, S.W.—Established Business, Retail and Dispensing; held by vendor many years; returns £1,000 yearly; profits above the average of Retail trade; capital opening for modern trading; terms, value of stock and fixtures.
- 6.—LONDON (Northern Suburb).—Situate in main shopping thoroughfare, well-established Business; increasing income; returns between £1,000 and £1,100; profits exceed the usual rate of middle-class business; well-fitted shop and comfortable residence, with garden; price £600.
- 7.—HIGHGATE (Near).—For immediate Disposal, a good but neglected Business returning, under Assistant, £1,270 at fair prices; books audited by accountant, and stock taken annually; terms, small sum for goodwill and valuation of stock and fixtures.
- 8.—SUSSEX.—For immediate Disposal, well-established Business returning between £700 and £750; profits about 50 per cent; commodious premises; rent £40 yearly; new lease will be granted; price to be arranged equitably; illness cause of sale.
- 9.—HOME COUNTY (Health Resort).—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.
- 10.—SURREY (Residential Locality).—Select good-class Business, admitting of extension; returns about £1,000 at good prices; well-appointed shop and good house; price about £700.
- 11.—SOUTHAMPTON (Near).—Mixed Country Business; established about 100 years; returns £800; net profit £300; large double-fronted shop; comfortable residence; price £450.
- 12.—MIDLANDS.—Retail and Dispensing Business; established many years; returns, under management, about £500, formerly £1,000; there is also an appointment giving an income of £50 yearly; satisfactory reason for disposal; valuation terms entertained.
- 13.—HOME COUNTY.—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures and sum for goodwill to be agreed equitably.
- 14.—PARTNERSHIP.—A Partner required in very old established Business situate in a Home County; a gentleman with small capital would not be objected to; returns, including Branch, £3,650.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



**PARSON C. BAKER**

(Pharmaceutical Chemist),

**Trade Valuer & Transfer Agent.**

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson &amp; Co.; Barclay &amp; Sons, Ltd.

Valuer to the Association of Manufacturing Chemists.

1 Mountfield Road, CHURCH END, FINCHLEY, N.  
Tel. No.: Finchley 812.**THOS. TOMLINSON & SON****CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

**BATTAM & HEYWOOD**

(ESTD. 1837.)

**CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS.**

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: GERRARD 2169.

**BERDOE & FISH****VALUERS & TRANSFER AGENTS,**

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

**NO CHARGE TO PURCHASERS.**

1.—SOUTHEAST-ON-SEA (Death Vacancy).—Good-class Business, in excellent position within 1 minute of Cliffs and Bandstand; returns £800, and before the war restrictions did over £300 a year in photographic materials, and will again under normal conditions; good house and garden; stock and fixtures worth about £500; price £600, or offer; personally known and recommended by us.

2.—DEVON (Market Town).—Good-class Retail, Agricultural, and Photographic Business, under management and scope for increase; returns average £1,300; principal did £1,500; main road position; splendid premises; fully stocked; price simply valuation, about £900 to £1,000.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

4.—LONDON (12 miles out).—Middle-class Retail and Dispensing, with Dentistry; returns approach £1,300, increasing; net profit over £400; modern house and large garden; rent £50; compact, well-fitted Pharmacy, well stocked; price £600, or £150 and valuation; partnership entertained.

5.—LONDON, N.W.—Exceptional offer; Light ready-money Suburban Retail, returning over £20 a week; no immediate opposition; rent more than covered by letting off house, on lease; double-fronted shop; heavily stocked; price for quick sale £350, or would accept £150 for lease and fixtures and remove stock, or so much as not required.

**STOCKTAKINGS.**

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

**BUSINESSES FOR DISPOSAL.**

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**MIDLANDS** (Busy Manufacturing City).—Sound Light Retail and Prescribing; working-class Cash trade; old established; good opening for Panel and Dentistry; returns upwards of £400; corner position and roomy premises; vendor's own property; mainly health reasons for disposing; price by valuation. Apply, 173/5, Office of this Paper.

**MIDLANDS**.—Entirely unopposed good genuine Business; excellent opportunities; returns over £20 weekly; satisfactory reasons for disposal; easy terms. Apply, "I.X.L.," c/o C. L. Moores & Co., Birmingham.

**WATFORD**.—Chemist; double-fronted Shop, St. Albans Road; main thoroughfare; late tenant 14 years (Fixtures); rent £50; lease, or would sell freehold; splendid opening for capable man; large population and growing neighbourhood. For full particulars apply Broad & Patey, Estate Agents, 5 Station Road, Watford, Herts.

**A CHEMIST**, retiring, leaves a gap in the best business centre of an important naval and military town, where a profitable business has been conducted for a century; fittings and stock at very moderate price; can be removed to adjoining premises, securing at once a good business connection. 241/35, Office of this Paper.

**DEATH Vacancy**, Tiverton, Devon.—For immediate Sale, small Chemist's Business; scope for increase by energetic man; terms, valuation of stock and fixtures and £50 for goodwill. Apply, Jackson & Parkhouse, Solicitors, Exeter.

**DISPOSAL** (Lincolnshire), East Coast, in large village; business purely Drug; lock-up shop; would suit middle-aged man or good Prescriber wanting an easy and quiet time, or lady; rent low; must sell owing to age and infirmity. Particulars, "T." (173/9), Office of this Paper.

**BUSINESSES WANTED.**

**A SMALL** Cash Retail Business, showing a net profit of £150 and upwards per annum, with house accommodation attached preferred; seaside, country, or moderate-sized town (not London); cash at command; no agents; letters not answered in 7 days respectfully declined. 168/10, Office of this Paper.

**PARTNERSHIPS.**

**EXPERIENCED** man wishes to Purchase Partnership in good London business, with scope for the development of Retail and Wholesale trade; young, energetic, and progressive; has doubled own turnover; substantial capital after trial. All particulars will be treated in strict confidence; no agents. Apply, 174/1, Office of this Paper.

**PARTNERSHIP**.—A well-known London Retail Pharmacist in a large way of business requires a Partner. Applicants (i) must not be eligible for the Army; (ii) must be able business men experienced in management; (iii) must possess the Minor or preferably the Major qualification; (iv) must be able to invest £200; fullest opportunities for investigation will be given and expected; information so imparted will be confidential; applications which are not entertained will be acknowledged when the vacancy is filled. Apply, 172/10, Office of this Paper.

**PHARMACIST** desires Directorship or an interest in sound Business; Wholesale, Retail, or Proprietary; capital at command up to £500; must be in or near London. Kindly give full details to "Salicin" (175/1), Office of this Paper.



## SALES BY AUCTION.

BY ORDER OF THE CONTROLLER, LIQUIDATOR, AND OTHERS.

(Removed from Oxford Street, W.; Kilburn, N.W.; Christopher Street, Finsbury; Farringdon Street, E.C.; and elsewhere, for convenience of Sale.)

Sale Rooms:—62a ALDERSGATE STREET, LONDON, E.C.

VALUABLE STOCKS OF A WHOLESALE MANUFACTURING CHEMISTS' AND DRUGGISTS' AND DRUGGISTS' SUNDRIESMAN, including

THE whole of the Stock of COMPRESSED TABLETS AND PILLS, MADE BY MESSRS. LEO & CO., LTD., LONDON; 100 dozen India-rubber Sponges, 30 Grosse Titra Crepe Bandages, 20 dozen Patent Leather Arm Slings, 100 dozen Shaving Brushes, 50 dozen Hair Brushes, 3 Gross Nail Brushes, 200 dozen Combs, 60 dozen Thermometers, 34 pieces Double Proof Sheeting, Syringes, Inhalers, 80 gross BEST QUALITY NAIL BRUSHES, Carboys, Show-Jars, Bottles, Shop Rounds, SHOWCASES, FIXTURES, FITTINGS AND MIRRORS, Soaps, Perfumery, and a large quantity of every description of Chemists' Sundries.

STOCK OF TABLE GLASS AND CHINA.

Purses, Fountain Pens, Penholders, Plated Goods, Motor Tubes.

FANCY GOODS, JEWELLERY.

The remaining Stock of a PIANO PARTS IMPORTER.

Brass Hinges, Screws, Hammers, Do. Heads, Shanks, 600 yards Backing Materials, Scones, Wire, Pegs, Pedals, Celluloid, Hand Holds, etc.

Office Furniture.—Roll-Top Desk, 12 Corner Bent Steel Milner's Safe, Counters, Typewriters, Chairs.

250 Pairs Ladies' Shoes, 11 Reams Cover Paper, and other effects.

MR. FRANK G. BOWEN will Sell by Auction, at his Sale Rooms as above, on Thursday, March 22, 1917, at 11.

On view day prior. Catalogues of Messrs. Percy Mason & Co., Chartered Accountants, 64 Gresham Street, E.C., and of the Auctioneer, 62a Aldersgate Street, and Hare Court, London, E.C.

Re THE KEENOLIA CO., LTD.—IN LIQUIDATION.

By Order of the Liquidator.

MESSRS. FRYER, COOPER & CO. will Sell by Auction, on the premises, at 57 Poland Street, W. (close to Oxford Circus Station), on Thursday, March 29th, at one o'clock, the Stock of a

HAIRDRESSERS' AND CHEMISTS' SUNDRIESMAN.

comprising:—Brilliantines, Perfumes, Sponges, Shaving Pots, Brushes and Combs, Hairdressers' Jackets and Coats, Toilet Powders, Tinctures and Essential Oils, 30 gross Bottles, in various sizes, 3 cwt. of Prepared Chalk, Vaseline, Pomade, Dry Shampoos, Hair Dyes, 10 dozen pots of Kolene, Bowls, together with the Fittings and Office Furniture:—Fireproof Safe, Utensils, Showcases, 2 Carrier Cycles, and a quantity of miscellaneous goods.

On view day prior and morning of sale. Catalogues may be obtained of Parkin S. Booth, Esq., Accountant to the Association of Manufacturing Chemists, Ltd., 35/7 Exchange Chambers, Bixteth Street, Liverpool, and at Kimberley House, Holborn Viaduct; and of the Auctioneers, 3 Redcross Street, E.C. 1.

## TENDERS.

GUYS' HOSPITAL, S.E.

SURGICAL DRESSINGS.

THE House Committee invite Tenders for the supply of Surgical Dressings for twelve months from April 1st, 1917.

Further particulars, with Form of Tender, may be obtained on application at the Superintendent's Office.

Tenders, duly sealed, are to be sent to the Superintendent's Office not later than March 24th.

SALE BY TENDER.

IN PRIZE.

TO be Sold by Order and for account of the Marshal of the Admiralty.

Ex s.s. "Noorderdijk," 129 Drums Bleaching Powder, lying in London.

Ex s.s. "Noorderdijk," 266 Drums Bleaching Powder, lying in Liverpool.

Tenders to be marked "Tender for Bleach," and to be addressed to

D. W. GREENHOUGH & SON,

21 Mining Lane,

London, E.C. 3.

To be in their hands not later than noon, Wednesday, the 21st March, 1917.

To be sold subject to Government restrictions as to export. Tender forms and particulars may be had on application.

## LEGAL.

NOTICE.

IN THE MATTER OF THE ESTATE OF WILLIAM FREDERICK ROBERTS, CHEMIST, DECEASED.

NOTICE is hereby given that all creditors of this estate residing out of Gibraltar must come in and prove their claims on or before the 18th day of June, 1917, in default whereof they will be excluded from any benefit arising from such estate.

Section 14 of the Unrepresented Estates Ordinance, 1889, is in the following words:

"All claims filed by Creditors or claimants shall express the name and place of abode of the creditor or claimant, the origin of the debt or claim, the degree or class of such debt and the particulars and exact amount thereof, verified by affidavit, and there shall also be annexed to every such claim the documents purporting to be evidence thereof."

This notice is published pursuant to an order of the Supreme Court of Gibraltar dated the 13th day of February, 1917.

Dated this 15th day of February, 1917.

JOHN DISOOMBE,

Administrator-General.

Registry,

Supreme Court, Gibraltar.

PURSUANT to an Order of the Chancery Division of the High Court of Justice made in the matter of the estate of Sir Joseph Beecham Baronet and in an action Woolley and another v. Beecham and others (1917 B. No. 473) the creditors of Sir Joseph Beecham Baronet late of Ewanville Huyton near Liverpool in the County of Lancaster and No. 9 Arkwright Road Hampstead in the County of Middlesex and who carried on business as a Patent and Proprietary Medicine Manufacturer at Saint Helens in the said County of Lancaster who died on the 23rd day of October, 1916, are, on or before the 16th day of April, 1917, to send by post, prepaid, to Mr. Arthur Draycott, of the firm of Bremner, Sons & Corlett of 17 Tower Royal, Cannon Street in the City of London the Solicitors of the Plaintiffs Frederick Duke Woolley and Charles Frederick Boston two of the Executors of the will of the deceased, their full Christian and Surnames, addresses and descriptions, the full particulars of their claims, a statement of their accounts, and the nature of the securities (if any) held by them, or in default thereof they will be peremptorily excluded from the benefit of the said Order.

Every creditor holding any security is to produce the same before the Master, at the Chambers of Mr. Justice Eve, situated at the Royal Courts of Justice, Strand, London, on Tuesday the 1st day of May 1917 at 12 o'clock noon, being the time appointed for adjudicating on the claims.

Dated this 9th day of March, 1917.

BREMNER, SONS & CORLETT,

Solicitors for the Plaintiffs.

17 Tower Royal, Cannon Street, London, E.C.,

and 1 Crosshall Street, Liverpool.

## AGENCIES.

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AGENCY wanted—Export, London, or Sole Agency—for novelties, but more especially for articles that can be used as advertising novelties or premium goods; large sale possible for the right goods; good showroom and connection. Address, D. Henderson, 112 Wood Street, London, E.C.

SIDE Line.—Wanted at once, several smart Representatives, with good connection among Chemists and Drug Stores, to take up excellent side-line; good seller, showing big profit to retailer; liberal commission to suitable men. Reply, stating ground covered, to 174/3, Office of this Paper.

TRAVELLER, eight years' connection whole of Ireland, desires really good Side-line; Ireland only; could do big business for first-class house handling any well-known line; Wholesale and Retail; would consider whole-time salary position; cash security if necessary. Full particulars, 175/33, Office of this Paper.

## FINANCIAL.

A HIGH-CLASS Proprietary Company is open to acquire a good-class established Proprietary which can be further developed by advertising. Apply, 232/40, Office of this Paper.



## FOR SALE.

**CASH** Register, second-hand (National), must sell at once; best condition. Letters to F. Chapman, 150 Gillespie Road, Highbury, N.

**FIXTURES** of a Branch shop, including Dispensing Screen and Counter, Desk, Drawers, Shelves, etc., Counter with front Showcases; also Plate-glass Window Shelves, Counter Case, and Personal Weighing Machine. Church, Chemist, Cambridge.

**FITTINGS**, handsome Spanish Mahogany, and Plate Glass, Plate-glass Window Shelves, Y. G. Co.'s Recess Label Bottles and Jars for Sale by Chemist retiring; London 40 miles; now is the time to secure high-class at low price. 241/350, Office of this Paper.

**MAHOGANY** Chemist's Counter; 15 feet long; 6 Plate-glass Doors front; 3 nests of Drawers under Counter; 15 feet back Fitting, with Shelves; glass back, with pillows, with Clock Dial in centre, etc.; in fine condition; take £15 10s. On view, Gibson, 95 Beechdale Road, Brixton Hill.

**20 LB.** Saccharin Tablets;  $\frac{1}{2}$  grain in 1; what offers, whole or part? cash or exchange for Drugs or Patents. 174/15, Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.


The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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**RESULTS**

OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK MAR 10 1917

NATURE OF ADVT.	REPLIES
DISPENSER (LADY)	17
BUSINESS WANTED	13
ASSISTT	13
MANAGER	11
QUALIFIED	10



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

## RETAIL.

**BALHAM.**—By end of February; Assistant; ineligible; reasonable hours and good salary to desirable man; abstainer; must be thoroughly capable for good-class business; photographic knowledge required; good references essential; state age and full particulars. Cooper, Chemist, 1 Ramsden Road, Balham, London, S.W.

**BIRMINGHAM.**—Elderly qualified Assistant; comfortable and permanent berth. State salary required and when at liberty. "Astol" (173/132), Office of this Paper.

**BIRMINGHAM.**—Firm of Retail Chemists has an opening for a smart, unqualified man, age about 46, to assist in Stock-taking department; must be quick at figures and well up in the trade; permanency if satisfactory. "Stock" (173/133), Office of this Paper.

**BIRMINGHAM.**—Qualified lady Assistant required; knowledge of Retail preferred; also unqualified Assistant (male), used to Counter; ineligible. State experience and salary required to W. H. Wilkins, Ltd., 359 Birchfield Road, Perry Barr.

**BIRMINGHAM.**—Assistant (male or female); Dispensing mainly, and general Light Retail; outdoors. State when disengaged, salary expected, and usual particulars. Raynes, Dispensing Chemists, Ltd., 28 Bath Row, Birmingham.

**BIRMINGHAM.**—Lady Assistant (unqualified) required for quick Cash Retail; experienced (but not necessarily in Dispensing); capable of assuming some responsibility; good Saleswoman; photo (returned), and references; commencing salary 2 guineas weekly (outdoors); good commission on establishing herself. F. H. Johnson, M.P.S., 112 Lozells Road, Birmingham.

**BUXTON.**—Wanted at once, Assistant (gentleman or lady) for good-class Dispensing and Retail; indoors preferred; comfortable home. Apply, stating age, experience, references, salary required, with photo (if possible), to A. Thresh, Pharmacist, Buxton, Derbys.

**CAMBRIDGE.**—Qualified man or lady; 48-hour week; no Sunday or holiday duty; good salary, with bonus. Apply, Mr. David Sturton, R. Sturton & Son, Pharmacists, 7 Fitzroy Street, Cambridge.

**CARDIFF.**—Experienced Assistant required; good salary; short hours; no Sunday duty. Also Junior Dispenser. Hicks, Chemist, Cardiff.

**CARDIFF.**—Qualified Manager required for Branch. Duck & Son, St. John's Square.

**EPSOM, SURREY.**—Required, a qualified Chemist as soon as possible; permanency; elderly or ineligible; easy hours. State salary, Mrs. Tottle, Chemist, Epsom.

**GILLINGHAM.**—Qualified Dispenser wanted for Medical Society (ineligible). Apply, stating age, salary required, also references, to C. H. Chilton, Secretary, 175 Victoria Street, Gillingham, Kent.

**GRANTHAM.**—Young lady wanted; Hall qualification; Dispensing and Light Retail; easy hours; half-holiday. Fillingham, Chemist, Grantham.

**GRAVESEND.**—Assistant wanted immediately for Retail and Dispensing business; must be exempt; short hours; outdoors. Apply, stating age, experience, and salary required, to H. Cook, 11 King Street, Gravesend.

**KENT.**—Smart young lady Assistant required for Chemist's establishment; Light Retail and Dispensing business; permanency and progressive salary. "Kent" (173/13), Office of this Paper.

## TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

## ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

## RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.



**ONDON, N.W.**—Wanted, Junior Assistant, lady or gentleman (ineligible); Dispensing and Retail. Apply personally, or if by letter, state full particulars and salary required, W. H. Bell Co., 96 Albany Street, Regent's Park, N.W.

**ONDON, S.E. (Near London Bridge)**—Wanted, a competent, trustworthy Assistant for Dispensing and Retail business; deals provided during business hours, otherwise outdoors; highest references essential; if in London, 'phone Hop. 1894 to fix appointment for interview. Apply, with full particulars, to Austin's, Ltd., 196/202 Bermondsey Street, London, S.E. 1.

**ONDON, S.W.**—Wanted, an Assistant of good Dispensing experience for first-class business; salary £2 15s. weekly. Apply, "P. A." (174/10), Office of this Paper.

**ONDON, S.W.**—Wanted, an Assistant (ineligible for military service). Apply, with full particulars, to Amoores & Co., 3 Sloane Street, S.W.

**ONDON, S.W.**—Young lady Assistant required; must be a good Dispenser; preference given to one who has had some experience with a Chemist. "King" (173/134), Office of this paper.

**ONDON, W.**—Wanted immediately, a competent Assistant; one with previous West End experience preferred; a lucrative post to the right man. Apply, J. Munro & Co., 273 Regent Street, W. 1.

**ONDON, W.**—An Assistant required; immediate vacancy; one accustomed to West End business preferred. Write or call, House & Co., Wigmore Street, W. 1.

**ONDON, W.**—Manager for small Family business in good-class neighbourhood; salary £4 10s. weekly; Sunday duty 6 hours; living accommodation could be arranged. Full particulars, and when disengaged to 173/35, Office of this Paper.

**YEAR MANCHESTER**—Wanted, qualified Assistant; comfortable position; would suit elderly or lady. Apply, stating salary required (outdoors), and enclosing references, etc., to 175/2, Office of this Paper.

**HEFFIELD**—Qualified Manager (gentleman or lady) for middle-class business; must be quick and reliable; date required, April 12th. State particulars, age, and salary required, to 97 Staniforth Road.

**OMERSET**—Qualified Manager (ineligible), or lady, to take charge of Branch in country town; Light Retail and a little N.H.I.; house and gas found; easy hours. Edwards, Pharmacist, Midsomer Norton.

**OUTH WALES**—Smart qualified Manager required for business situate not far from Cardiff; must be a capable Dispenser and good Counterman; good salary and interest in the profits offered suitable man. "S. W." (173/131), Office of this Paper.

**HE GLOUCESTERSHIRE ROYAL INFIRMARY AND EYE INSTITUTION**—For the duration of the war, fully-qualified dispenser (male), non-resident. Applications, stating age, qualifications, experience, and salary required, together with testimonials, to be forwarded to the Secretary, Royal Infirmary, Gloucester.

**HE County of Surrey Pharmaceutical Committee** are requiring names of Assistants who are prepared to act as substitutes; they must be ineligible for military service or classed in qualification below B 1. Full particulars, stating whether qualified or not, age, and salary required, to W. H. Fowler, Secretary, 3 Station Road, Redhill.

**WIMBLEDON**—Wanted, an Assistant (ineligible for military service) for Counter and Dispensing. Also Extractor and Mechanic. Apply, 278 Haydon's Road, Wimbledon, S.W.

**ORKSHIRE (West Riding)**—Manager (qualified) required for progressive Cash business; must be a rejected man or above military age; liberal interest in the profits offered to a really capable man. "Urban" (173/130), Office of this Paper.

**SSISTANT** required for one month; good Dispenser, with knowledge of Photographics preferred (but not essential). Rickard, Pharmacist, Bude.

**DISPENSER and Attendant in X-Rays and Electro-Therapy**, requires post with a Doctor or Institution; able to do minor repairs, etc.; Hospital experience; 9 years' excellent reference; ineligible. Particulars to B. L. Earle, 5 London Road, Blackburn.

**DISPENSER** for evenings; 5 or 6 to 9 daily except Sunday. Jones, Pharmacist, 4 Thayer Street, Manchester Square, W.

**IMMEDIATELY**—Capable qualified Assistant (outdoors); must be accustomed to good-class Dispensing business. State age, experience, and salary required to Barnes & Marsh, 194 Upper Richmond Road, Putney, S.W. 15.

**LADY Counter Assistant** required with experience in the selling of Perfumery and Druggists' Sundries in ordinary demand; smart appearance; hours of work, 8.45 to 6 p.m., 1 o'clock Saturdays; no Sunday duty. Write, stating full particulars of past experience and salary required, to "L. J.," 1,671, Sells' Advertising Offices, Fleet Street, E.C. 4.

**LADY Assistant** in business where others are kept; one with Retail experience preferred; no Sunday duty, half-day holiday weekly. Bruce's Ltd., 308 Earl's Court Road, S.W. (near Earl's Court Station).

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

**QUALIFIED Chemist** required for Dispensing duties; used to first-class business; permanency; must be ineligible for Army. State age, references, and salary required, to Manager, Junior Army and Navy Stores, Aldershot.

**QUALIFIED Assistant, lady or gentleman** (if the latter, must be ineligible for military service), for good-class Dispensing and Retail business. To avoid delay, state full particulars as to experience, age, and salary (outdoors); in first letter. Apply, Howard, 15 High Street, Littlehampton.

**QUALIFIED Dispenser** (ineligible for military service), for good-class Dispensing business in West End; lady applicants entertained. Apply to "Carboy," c/o S. Maw, Son & Sons, 7 Aldersgate Street, E.C. 1.

**REQUIRED**, Dispenser, Minor qualification; hours of work approximately 8.45 to 6 p.m., 1 o'clock Saturdays; no Sunday duty. Write, stating full particulars of past experience and salary required, to "L. J.," 1,672, Sells' Advertising Offices, Fleet Street, E.C. 4.

**UNQUALIFIED Manager** for Branch business doing a Light trade including Photography; outdoors; no Sunday duty; easy hours; ineligible for Army. State full particulars and salary required, Bates & Hunt, Wellington, Salop.

**WANTED**, qualified male Assistant (indoors) for high-class Retail and Dispensing business; must be ineligible for Army. Apply, stating salary and previous experience, to "North Country," c/o Thomas Tyrer & Co., Ltd., Stirling Chemical Works, Stratford, London, E.

**WANTED**, in good-class Country business, pleasantly situated, a capable unqualified Assistant (lady or gentleman); permanent berth with progressive salary; short hours; no overtime or heavy work; would suit retired man wanting easy or part-time berth; Cheshire. 173/39, Office of this Paper.

**WANTED**, temporary Dispenser; qualified; must be ineligible for military service. Apply, with full particulars, to Medical Superintendent, Surrey County Asylum, Brookwood.

**WANTED**, for a City Stores, a lady with Minor qualifications; hours 8.45 to 6.30 p.m.; no Sunday duty; good salary to suitable person; also unqualified Junior (lady), with some knowledge of the trade. Apply, Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C.

**WANTED**, lady Assistant, Whole or Part-time, in old-established West End Dispensing Business, to assist in Dispensing and making preparations. Apply, 175/34, Office of this Paper.

**WANTED immediately**, qualified Chemist (lady or gentleman); duty chiefly N.H.I. Dispensing; good wages to suitable person. Testimonials and particulars first letter, to Samuel Shelley, Ltd., Market Place, Bilston.

**YOUNG lady or ineligible man** for Dispensing, etc., wanted about March 27. Apply, Waller & Riley, Ltd., Bolton.

**£4 A WEEK** offered to trustworthy qualified Chemist as Manager or Assistant for best-class business in very good provincial town within easy distance of London; must be ineligible for Army. Send photo, references, and full particulars to "Family Chemist" (172/6), Office of this Paper.



## WHOLESALE.

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**BIRMINGHAM.**—Invoice and Order Clerk, with knowledge of Drug trade. Apply, with particulars of experience, age, salary, etc., General Manager, Blackwell, Hayes & Co., Ltd., Moor Street, Birmingham.

**CARNEGIE BROS.**, Chemical Merchants, 227/229 Essex Road, N., require for their Warehouse a competent man (not eligible for military service) who has been used to the handling and putting up of fine Medicinal Chemicals and Alkaloids. Applications from qualified men would receive preference. State age, experience, and salary required, by letter in the first place.

**EXPERIENCED** Drug Packer (male or female) wanted at once; also Porter for Dry floor. Apply, Gale & Co., Ltd., 15 Bouverie Street, E.C.

**INVOICE** Clerk (Senior) required for a City Wholesale Druggists; free from military duties; must have first-class experience; also two Junior Clerks required (male or female), with a knowledge of the Drug trade, to fill positions in the office. Apply, by letter, giving full particulars and salary required, to 242/73, Office of this Paper.

**LADY** Traveller for Druggists' Sundries and Packed Goods for country journey; ground regularly worked; must have knowledge of trade. Apply, by letter, to "F. E. W.," 1 Chelsea Gardens, S.W., stating fully experience, salary required, and if any experience in travelling.

**TRAVELLER** required for London and South Coast to Represent Perfumery and Toilet house; must have connection amongst Chemists. Apply, 242/2, Office of this Paper.

**WANTED**, in the Laboratory of a Wholesale firm of Manufacturing Chemists, a man accustomed to the making of Tinctures, Infusions, &c. State experience and wages, 176/3, Office of this Paper.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]  
RETAIL.

**A** **CHEMIST**; age 46; good references and experience; disengaged; Locum or permanency. 174/35, Office of this Paper.

**A** **MANAGER** or Locum; qualified; reliable; excellent references; over 20 years' experience; exempt military service; age 38. State particulars salary, etc., "Chemist," 7 Deramore Street, Rusholme, Manchester.

**A** **S** Assistant; Minor; ineligible; experienced. "Veritas," 28 Crookham Road, S.W.

**B** **BRIGHTON DISTRICT.**—Advertiser (qualified), middle-aged, seeks Relief work, or would manage small business; recently sold own business. W. W. Thomas, 13 Duke Street, Brighton.

**C** **CHEMIST** (qualified), 33, C 1, conditional exemption, is open to change; successful Manager and business builder; method, accuracy, and detail. "Res" (174/20), Office of this Paper.

**D** **ISENGAGED**; rejected; 29; well up Retail, Dispensing, and Photographic. "Aspirin," 9 Avondale Road, Eastbourne.

## EVENINGS.

**D** **ISPENSER**; unqualified; thorough N.H.I. and private experience; married; 28; ineligible; excellent references; North or North-East London preferred. "Veritas" (174/), Office of this Paper.

**D** **ISPENSER** (woman), Hall qualification, experienced, requires post. "B.," 98 Fillebrook Road, Leytonstone.

**D** **ISPENSER**; experienced; ineligible; temporary, Wholesale Part-time. "A.," 2 Empire Road, Torquay.

**D** **ISPENSER** (woman), Apothecaries certificate, with good dispensing experience, seeks post where better-class Dispensing required; five years' London reference. "Dispenser," 9 B. Heath Vale, S.E. 3.

**D** **ISPENSER** (lady); qualified (Hall); disengaged; 15 months' experience Chemist's. "Dispenser," 10 St. Mary's Lane, Highbury, N.

**E** **VENING** Relief; 6 p.m. to 8 p.m., except Saturday; M.F.S.M.C.; young, experienced Manager; abstainer. Salary offered, 242/5, Office of this Paper.

**H** **ALL** certificated; disengaged after Easter. Apply, Paul (S.), Donington, Spalding, Lincs.

**J** **UNIOR** (22), ineligible, desires post in good Dispensing business, to increase dispensing experience; Liverpool or suburban. Bynon, 30 Vaughan Road, New Brighton.

**J** **UNIOR** Assistant requires a situation; disengaged. Apply, 173/7, Office of this Paper.

**L** **ADY** Dispenser desires Part-time post near Harrow; experienced. 172/37, Office of this Paper.

**L** **ADY** Dispenser (part Hall) seeks post; year with Chemist; London or Home Counties; Doctor, Chemist, or Institution. "L.," 10 Craighorne Road, Blackheath.

**L** **ADY** Dispenser (Hall) desires post with Doctor, Assistant in Hospital, or Chemist; London or Oxford preferred. Apply, Henley House, Summertown, Oxford.

**L** **ADY** Dispenser (Hall qualification), experienced, desires Part-time post in London. Apply, 174/5, Office of this Paper.

**L** **ADY** (Apothecaries' Hall), 17 years in public Institution; closing, desires post as Dispenser; Doctor, Hospital or Chemist. Apply, 176/2, Office of this Paper.

**L** **OCUM**; reliable; disengaged. Address, "M.P.S.," c/o John Thompson, Ltd., Liverpool.

**L** **OCUM**, permanency, or Part-time; disengaged; reliable competent; references; abstainer; London or district. 174/40, Office of this Paper.

**M** **ANAGER**; Extractor; over age; 25 years' all-round experience; qualified. "W. H." (173/14), Office of this Paper.

**M** **ANAGER**; qualified; age 49; 13 years' West End experience; highest references; London preferred. "Lichfield Gardens, Richmond, Surrey."

**M** **ANAGER**; Scotsman; 33; married; C 3 and exempt; ably outside London; 10 years' first-class provincial West End experience; excellent references. Apply, 172/22, Office of this Paper.

**M** **ANAGER**; qualified; over military age; disengaged Manager. "I. W. D." (174/37), Office of this Paper.

**O** **UTDOOR** Assistant; age 36; ineligible; tall and unqualified; West End and provincial experience. "Sectt," 1 Place, Jermyn Street, S.W.

**P** **ART-TIME** Assistant (free from military obligations), of studying for Minor, seeks an Evening or other Part-time post; could give whole day on Saturdays; working-class neighbourhood with plenty N.H.I. preferred; four years' situation; excellent references. Apply, 171/30, Office of this Paper.

**P** **ART-TIME.**—As Assistant; qualified; two days a week Part-time other days; W. or neighbourhood preferred. 173/24, Office of this Paper.

**P** **ART-TIME** Assistant; one or two evenings a week, including. "N.," 7 Branch Place, Southgate Road, N.



**ART-TIME;** Russian; Pharmacist. 24: tall; experienced Counter and Dispensing; free from 9 a.m. to 3 p.m. Pharmacist, 7 Beresford Road, N. 5.

**QUALIFIED** (28), experienced, desires responsible post; ineligible; Midlands or Liverpool district preferred. "Statim" (3/32), Office of this Paper.

**QUALIFIED;** 25; rejected; Dispensing and Counter experience. "Chemist," 23 Chelsham Road, Clapham, S.W.

**TEMPORARY** or permanency; disengaged; age 45; married; experienced; highest reference. "Pharmacist," 57 Browns Rd, Walthamstow, Essex.

**THOROUGHLY** competent Assistant; ineligible; capable of taking charge; unqualified; an opening with one day a wk off preferred; London. "E." (175/4), Office of this Paper.

**UNQUALIFIED** (30), rejected, married, competent, seeks permanency; West Country town preferred; disengaged end Mil. Particulars and salary offered to "Abstainer" (173/19), Office of this Paper.

**WANTED,** post as Nurse-Dispenser with a Doctor. Mrs. Gladstone, 3 Gainsborough Road, Bedford Park, W.

**YOUNG** lady desires post as Junior Dispenser; indoors; North of England preferred; highest references. Apply, 173/15, Office of this Paper.

**YOUNG** lady (Hall) desires post as Dispenser; experienced. Apply, 174/30, Office of this Paper.

**YOUNG** lady requires post as Chemist's Apprentice. Smith, Sackville Croft, Ewhurst, Hawkhurst.

## WHOLESALE.

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**DUBLIN.**—Traveller; 46; disengaged shortly; well known to the trade; first-class sales record; open to Represent established house; Proprietaries, Sundries, etc. Apply, 175/32, Office of this Paper.

**RUSSIAN,** who has a considerable experience in the export of Drugs and Chemicals to Russia, and established business connections there, is open to accept an engagement in a first-class Manufacturing Chemical concern. Please address communications to 171/7, Office of this Paper.

**TRAVELLER,** five years United Kingdom (Perfumery), desires to Represent first-class Proprietary, Speciality, or Toilet goods house; age 56; active; discharged Army, 2½ years' service; in London after 17th inst. Address, 172/38, Office of this Paper.

**INELIGIBLE;** all-round experience; Galenicals and Toilet Preparations; looks for situation. Apply, "Gallia," c/o Rd, 28 Pennard Road, Shepherd's Bush.

## MISCELLANEOUS.

**CLEARANCE** of a small stock of about 20 each Forceps, Mouth Mirrors, Amalgams, etc., at low prices. Particulars and prices on application, Ell Dee Co., 7 New Station Street, Leeds.

**SECOND-HAND** Shop Fittings. — 12 ft. Glass-fronted and Mahogany Serving Counter, £8 15s.; Counter Silent Salesman, with bent front and two plate-glass Shelves, £5 15s.; 7 ft. Mahogany Wall Case, equal to new, £11 10s.; quantity of second-hand Shoprounds, Oils and Syrups, Pill Pots, Tincture Pots, etc. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.O.

**SECOND-HAND** Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.O.

**CHEMISTS' Fittings** (Second-Hand).—Ranges of Drawers, Shelving, and Lockers, Counters, Dispensing Screens, Bent Cases, etc., etc.; 2 only new gross sets of Ribbon Label Shop Rounds. D. Matthews & Son, 14 and 16 Manchester Street, Liverpool.

<b>8/6</b> 3 Years 4 Columns	<b>Jay Mack's Ledger</b> gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax deductions; no previous Book-keeping experience needed.	<b>10/6</b> 4 Years 5 Columns
On appro. on receipt of cheque. 6d. Booking Fee if returned.		
Mack-ivor, Hightown P.O., Crewe.	See it for yourself.	Ayrtons. Bleasdales Evans. Raines.

## Out-of-date Cameras bought.

Chemists often take in exchange an old Camera as part payment for a new one, or have same left on their shelves. We buy these on Cash Terms. Try us.

**WATSONS, 84 High St., SHEFFIELD.**

## SALICYLIC ACID, B.P.

We have in stock 1 ton best quality.

OFFERS TO  
**E. OFVERBERG & CO., 18 St. Swithin's Lane, LONDON, E.C.**

## ASPIRIN

P.B., guaranteed, in 5-grain tablets; bulk price, cash with order, post free.

**1,000 @ 15/- | 5,000 @ 14/6 | 10,000 @ 14/-**

**R. GIBBINS & CO., 1 BIRKBECK RD., KINGSLAND, LONDON, N.E. (R. GIBBINS)**

## WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

**TERMS**  
Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

**WANTED.**  
Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

**THE WAR WANTS EXCHANGE.**  
"The Chemist and Druggist," 42 Cannon Street, London, E.C.  
Alcohol phenylethyllic Diuretin (241/22)  
(239/9) Iso eugenol (239/9)  
Bornyl acetate (239/9) Methyl acetophenone (239/9)  
Carlsbad salts (original) Pyramidon (241/22)  
(241/22) Veronal (241/22)  
Cinnamic alcohol (239/9)

**FOR DISPOSAL.**  
Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—  
Quinophane, ½ oz. (170/7)



## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.  
No advertisement inserted for less than 6d.

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### FOR DISPOSAL.

#### DENTAL.

FOR sale, 12 dental showpieces, celluloid and vulcanite, from 3s. 6d. R. Lamb, 123 West End Lane, London.

#### DRUGS AND CHEMICALS.

8 oz. tinct. cubeb, buchu, helmitol, cantharides, saffron, pilocarpine, argyrol. Hasselby, Hastings.  
6 yards bandages, 1 inch, 6s. 6d.; 6 yards bandages, 1½ inch, 9s.; 6 yards bandages, 2 inch, 11s. 3d. grose; lint, 1s. 10d.; borie lint, 1s. 6d.; 5 only 100 phenacetin tablets, gr. v., 5s. 6d.; offer 3vii anthrosol. White, Oldbury.

#### MISCELLANEOUS.

SELF-PROPELLING invalid chair, worth £5; 14-in. air cushion, 1-quart nickel vacuum flask; 3 1-pint pigskin do.; 3 oz. Toynbee's braes ear syringe; all perfect condition; willing to exchange for saccharine tablets. Milnes, Lane Head, Brighouse.

### WANTED. >

WANTED, optical test case; cheap. Apply, 171/36, Office of this Paper.

GELINEAU'S dragees; any size. State price, Lakeman, Chemist, Modbury.

NYAL wine wanted. State price and quantity, Low, Chemist, Fraserburgh.

TWO or four drachms Bayer's theocin sodium acetate. State price. 172/11, Office of this Paper.

BROMO medicated toilet paper; any quantity. State price. 173/25, Office of this Paper.

SAUCARINE wanted, small or large lots. State quantity, quality, and price, Walton, Chemist, Batley Carr.

WANTED, salicin in quantity; spot or forward delivery; lowest cash terms. Address, 193/71, Office of this Paper.

GOOD optical trial case, etc., wanted. State fullest particulars and lowest price, Birchall, Chemist, Wickham, Hants.

FRENCH Codex, any edition; an old B.P. in Latin; Whitla Pharmacy and Mat. Med. "E. W.," 80 Saint Mary Street, Weymouth.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

WANTED, boot-polish tins, to hold about ½ lb.; size about 4 in. by 1 in. We are also buyers of liquid metal-polish tins. Samples and prices to "Brytenup," Polish Works, Preston, Lancs.

CERIDIN pills (C. F. Boehringer & Söhne, Mannheim, Germany), ½ doz. bottles. V. E. Hanna, 70 Lower Mount Street, Merion Square, Dublin.

WANTED, borie lint, chloroform, cascara bark, cascara tabe., green dye, comp. liquorice powder, potase. bichromate, powdered quassia, lump maize starch, petro. jelly, yellow, white. State lowest, carriage paid, Adams, Oxford Street, Salford.

WANTED to buy for cash, any of the following oils and synthetics: Oil santal aug. geranium, otto rose, neroli, petit grain, patchouli, jasminc, lavender, ylang-ylang, eugenol, isoeugenol, coumarin, vanillin, musk crystals, cyclamen, violet. Reetail, Northfield, Birmingham.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," February 28, 1917.)

- "SENSITOL"; for photographic chemicals (1). By Ilford, Ltd., 39 Roden Street, Ilford, E. 376,541.  
"MICROBOLISH"; for disinfectants (2). By J. Mackintosh, Greystones, Manor Heath Road, Hahfax. 373,846.  
"WIZARD"; for scap (2). By W. Gossage & Sons, Ltd., Widnes. 376,327. (Associated.)  
"AVONAL"; for chemicals (2). By F. Kendall & Son, Ltd., Birmingham Road, Stratford-on-Avon. 376,605.  
"GENAFORMINT"; for medicinal chemicals (3). By Mr. W. G. Asquith, 12 Chemies Street, W. 375,762. (Associated.)  
"SALOX"; for medicines (3). By J. Ward, 8 High Street, Bulth Wells. 375,997.  
"ADIPOSIN"; for medicinal chemicals (3). By S. F. Body, 167 High Street, Southend-on-Sea. 376,456.  
"CHIROPHOL"; for a medicine (3). By F. B. Sleight, 14 Market Place, Willenhall. 376,636.  
"SWEET CLOVER," under conventional device of same; for milk chocolate (42). By Rowntree & Co., Ltd., York. 376,126. (Associated.)  
"DOSIT"; for all goods (47). By H. Heaton & Co., West Bowling, Bradford. 375,632.  
Label device, including view of Elizabeth Castle, Jersey, and other Jersey views; for eau de Cologne made in Jersey (48). By P. Larbalestier, 2 Charing Cross, Jersey. 374,698/9. (Associated.)  
"FIXORA"; for a hair-preparation (48). By L. Alexandre, 84 Chesterton Road, London, W. 376,030.  
"VODOL"; for dentifrices (48). By A. Sargeant, Pole House, High Street, King's Langley. 376,035.  
"CHORUS," under picture of five cats; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 376,446.  
"OMALIN"; for perfumery, etc. (48). By Tokalon, Ltd., 212-214 Great Portland Street, W. 376,621.  
"STUKKO"; for adhesive preparations for china (50). By Mendit, Ltd., 319 Neckells Park Road, Birmingham. 376,013.

(From "The Trade-marks Journal," March 7, 1917.)

- "SOLDIER'S COMPANION" over device including words "RAM'S HEAD" and picture of same ("Soldier's Companion" disclaimed); for medicinal chemicals (3) and for perfumery, etc. (48). By J. Watson & Sons, Ltd., Whitehall Road, Leeds. 376,612, 376,613 (associated).  
"NOXALL"; for all goods (3). By Evans Sons Lescher & Webb, Ltd., Liverpool. 376,617.  
"SENLIN"; for medicinal chemicals (3). By Tokalon, Ltd., 212-214 Great Portland Street, W. 376,619.  
"IODICIN"; for a medicinal chemical (3). By Burroughs Wellcome & Co., Snow Hill Buildings, E.C. 376,644.  
"DIDIAL"; for all goods (3). By Society of Chemical Industry Basle, 141-227 Klybeckstrasse, Basle. 376,649. (Associated.)  
"AIKVEL"; for all goods (3). By Mixol, Ltd., 22 Hilda Road, Brixton, S.W. 376,688.  
"OLFIN"; for all goods (8). By F. Hunziker, 20 Casimir Pfysterstrasse, Lucern. 376,801.  
"DOMINAL," on globe encircled by abdominal belt; for surgical appliances (11). By Emily Heward, Crown Road Works, Twickenham. 376,159.  
"MANDARIN"; for waterproof inks (39). By Winsor & Newton, Ltd., 38 Rathbone Place, W. 376,816.  
"MAYSYL"; for edible oils (42). By The Britannia Feeding Meal Co., Ltd., Brandenburgh Road, Hammersmith, W. 375,777.  
"STIMO"; for a beverage (42). By J. Robb, 38 North Street, Dundee. 376,518.  
"ONA-VARA"; for aerated waters (44). By Taylor & Son, Dublin, Ltd., 17 Foley Street, Dublin. 376,430.  
"SILVER-SEA"; for soap (47). By J. H. Ironmonger, Ltd., 20 Eastcheap, E.C. 375,205. (Associated.)  
"FREEZOLINE"; for a grease (47). By Raines, Porter & Seddon, Ltd., 328 Wincolmlce, Hull. 376,380.  
"ODOROL"; for all goods (48). By Lyndwood & Co., 3 Chryssed Road, Brixton, S.W. 374,809. (Associated.)  
"NUTOL," TOILET-SOAP" and landscape ("Nut" and "Oil" disclaimed), for perfumed soap (48); "CHIMNEY" under picture of same, for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 375,486 (associated), 376,504.  
"NILICA," on floral label device; for perfumery, etc. (48). By Parke's Drug Stores, Ltd., 65 Harwood Street, N.W. 376,650.



TO WHOLESALE &amp; EXPORT TRADES.

ESTABLISHED 1846.

Extracts  
Tinctures in Bond

**RANSOMS**

Resins  
Essential Oils

**WILLIAM RANSOM & SON, LTD.,**

MANUFACTURING PHARMACEUTICAL CHEMISTS.

Distillers of Essential Oils and Cultivators of Medicinal Plants.

HITCHIN, near LONDON.

Telephone: 95 HITCHIN.

A GUARANTEE

**Cadbury's Cocoa**

*Is absolutely pure and prepared only from the finest selected Cocoa.*

50 YEARS' REPUTATION.

**FENNINGS' CHILDREN'S POWDERS.**

ADVERTISED EVERYWHERE.

READY SALES.

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's name and address), or Showcards, sent carriage free on application to

**ALFRED FENNINGS, COWES.**

**GOODALL  
BACKHOUSE  
AND COMPANY**

**MANUFACTURING CHEMISTS and  
WHOLESALE DRUGGISTS**

*We especially invite inquiries for*

**TARTARIC ACID**

**OLIVE OIL**

**CREAM of TARTAR**

**COD LIVER OIL**

**White Horse Street, LEEDS.**

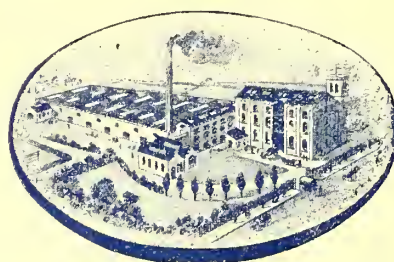
Telephone: 3574  
Central (4 lines).



The  
**Wigglesworth**  
Way

# CORNS!

The pinch of the Corn will soon be felt. Every sufferer—and there are thousands—is on the look-out for a means of relief from the sharp shooting pains these pests inflict.



Samples and Prices  
will be sent on  
receipt of postcard.

The Wigglesworth Way with its original selling ideas has been adapted to specially appeal to these people. The attractive show material, supplied gratis, together with the neat packages, will make a display in the window which cannot fail to draw any Corn victims into your Pharmacy.

*There are five lines to select from.*

## 1917 SPECIALITIES

### MOVE-ON and CORN ROOT DESTROYER

These comprise a tube fitted with Corn Paste adhesive plaster, and corn pad, enclosed in a slide box, with attractive two-colour label.

### GREEN SEAL CORN DISCS

The usual green plaster disc, the oval non-slip protector. The two-colour labelled box in silent salesman outer makes a most effective counter or window display.

### EASY CORN CURE and KURA KORN

Liquid Corn Paint. The bottle is enclosed in cardboard tube, with an attractive and striking label printed in colours.

**WIGGLESWORTH LTD.**  
WESTHOUGHTON, LANCs.